'Phreaking' Spreading In Britain

LONDON — British Post Office spokesmen call them "phone phreaks" and insist there aren't many of them. But the post office people are reluctant to talk about them or how they work for fear they might multiply.

The "phreaks" are the specialists who wend their way electronically through the world's telephone systems to talk around the world for nothing, or for the price of a local call. In this country, the phone system is run by the post office.

Although not described as "phreaks," several post office employes were fined a total of $4,080 at Bristol the other day for a series of offenses including the use of a special device and secret telephone codes to telephone the United States and West Germany at local call rates.

According to testimony at their trial, the employes illegally tapped a relay box into the Bristol Exchange. They then telephoned abroad by dialing a particular number, waiting and then using a secret code which enabled them to make overseas calls at Bristol rates.

Prosecutor Russell Harris was reticent on the exact procedures used by the employes.

"I do not want to give details," he said.

A seeming counterpart of the Bristol trial is scheduled here when 17 men arrested ty Scotland Yard detectives in London last month are to face charges of "illegal abstraction of electricity involving the telephone system." They apparently were "phreaking."

The detectives seized some equipment when they collared the 17 men in a Hammersmith apartment. But there is no indication what it comprised.

There are some hints, however, that the detectives and post office inspectors on the "phreak" beat had been looking for telephonists using a "blue box" with 13 red buttons. In some electronic fashion, these buttons enable overseas callers to bypass the British and foreign networks' call and charge-monitoring systems.

Defense Attorney Colin Harvey suggested at the Bristol trial that "phreaking" was "widespread over a considerable part of the country and involves others who will not appear in court.

"It permeates the institution and sweeps up as it goes along, until otherwise decent, sensible and hard-working people are involved," he lamented without elaboration.

But a post office spokesman said that "phreaking" was less of a problem in Britain than in the United States on either a population or telephone-population ratio basis.

Most of the "phreaks," the spokesmen said, "are electronic enthusiasts who see the telephone system as a challenge to their technical ingenuity."

He declined to estimate the number of "phreaks" in Britain or explain their procedures, on the grounds such information might tempt others to try to beat the telephone system.

Some Britons possibly with such yearnings were given a helping hand not long ago by an underground group here called "People's Power."

It published and distributed to some Londoners a 14-page booklet, resembling a post office publication for bona fide telephone subscribers, which told them about a device to avoid charges for some calls.

The device consists of a mechanism which reportedly frustrates the charge-metering system on their telephones.

Not all British telephone bilking enthusiasts could use such a device, however, because many of them have no telephones.

Some Britons who have applied for telephone service, including a secretary in the post office which handles their installation, have been waiting as long as a year for their instruments.

(L.A. Times-Wash. Post Service)

EXPLORATIONS

technoculture

Youngsters a threat to obsolescent grown-ups

Did you see "Lois and Clark: The New Adventures of Superman" on the tube the other Sunday? Kids on drugs taking over the city with technology. Yikes!

Lex Luthor, the consummate bad egg, hired some wayward neuroscientist to design drugs to increase brain power. After a few hits, the kids became junior Einsteins. They could do whatever they wanted — from taking over the television networks to turning the water supply green — and no one could stop them. The adults were basically powerless.

J. GREG PHELAN

I'm not one to glean an inordinate amount of wisdom from the tube, but it does tend to reflect our fears pretty well (for proof watch "Beavis and Butthead"). This episode of Superman's adventures covered all the bases, dramatizing the insecurities of us grown-ups who are living in a time when technology has fundamentally changed the world since we were kids. We never had multimedia PCs, word processors or Power Gloves back in the good old days. Does it make things different? You bet.

VCRs didn't exist when I was young, but my 2-year old niece, Jenny, has seen the video of "Beauty and the Beast" probably a hundred times. It makes me wonder if she is going to grow up to become a cartoonist, a ballroom dancer, or just to have a pronounced affection for Disney memorabilia.

I had no Nintendo, either. As soon as Jamie arrived at his grandmother's yesterday, he turned on the video game box, and soon was frozen in front of the TV.

"Hi, Jamie, how is kindergarten?"

Beep, pop, beep.

"Boring," he said, finally.

No wonder. It probably was boring compared to the continuing adventures of Super Mario. All this technology, the saturation of media, the mounds of visual information surging through these little brains — will it change them, give them the upper hand over we technologically impaired adults?

The smart kids on Superman used their high-tech skills to take over the city. Leave us alone, they said. We don't need you adults any more. Give us an island and a million pounds of gooey bears and get lost. They even installed a citywide video surveillance system to make sure they wouldn't be bugged.

In the real world, it was much the same. The outbreak of computers, video machines, and other electronic gadgets was bad enough, but the changes in biotechnology remain the most formidable of all. Back when we adults were playing kickball, it wasn't possible to design a new drug. Doctors now are so sophisticated they are creating synthetic substances to mimic chemical activity going on in the brain. Drugs to make you more intelligent are not that far-fetched. In fact, there has already been a marketing push to sell controversial drugs to improve memory, learning and other brain skills.

And if that scientist who has been studying Einstein's brain for 40 years figures out what makes it so different from yours and mine, who knows what's next? Boost-Your-SAT cocktails, or Remember-Your-Spanish Margaritas? What happens when your child grows up after years of cognitive supplements in her Cheerios? It might double her IQ, but it would definitely put a strain on dinner conversation.

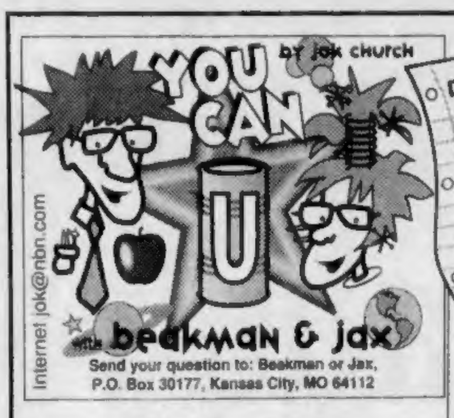
"Sorry, honey, but I never did understand relativity." Or:

"No, really. I swear I don't have even one alternative theory to the Big Bang."

Well, at least on TV, Superman saved the day. The smart drugs wore off, the kids became kids again, and the evil scientist was caught. Now if only Lex Luthor would stop buying up media conglomerates, there'd be nothing to worry about.

Greg Phelan, Fair Haven, is a technology specialist working in software design and computer education. He holds a master's degree in computer science. Technoculture appears Sundays.

you can *with beakman and jax*



Dear Jax,
How do you make ice cream?
Tiffany Robinson
Philadelphia, Pennsylvania

Dear Tiffany,

Ice cream is one of those wonderful weird things you get when you mix different forms of matter (stuff) together. Different forms, like a *solid* suspended in a *liquid* – paint. Or a *liquid* suspended in a *solid* – Jell-O. We call these weird and wonderful things colloids (CALL-oyds).

Ice cream is *gases* (air) suspended in frozen *liquids* (fats and milk). It's made by whipping in air *while it's being frozen.* That's what an ice cream freezer does – whips in air at the same time it's freezing.

You Can make an excellent ice cream by whipping in the air *before* you freeze it. Today's experiment is like a recipe. Get some family help and permission.

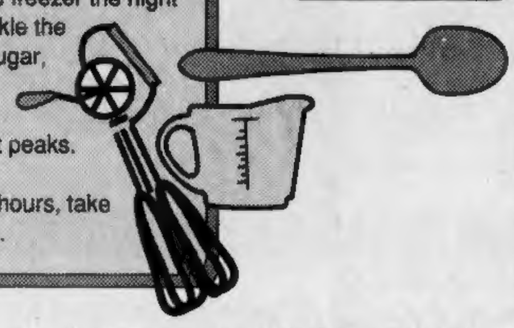
Jax Place
Jax Place

P.S. from Beakman: Here are 2 words to look up in a dictionary: obsessed and obese. Both of them might have something to do with you and ice cream.

experiment #1

WHAT YOU NEED: 2 envelopes unflavored gelatin - 1/4 cup water - 3/4 cup milk - 3/4 cup sugar - 1/2 teaspoon vanilla - 1/4 teaspoon salt - 3 cups whipping cream - egg beater - shallow metal baking pan

WHAT TO DO: Put the metal pan and the egg beater into the freezer the night before you do this. All your tools have to be really cold. Sprinkle the gelatin onto the water. Soak it for 15 minutes. Mix the milk, sugar, vanilla and salt until blended, then stir in the gelatin mixture. Pour into the cold pan and place in the freezer for 1 1/2 hours. With the cold egg beater, beat up the cream until it forms soft peaks. Beat chilled gelatin mixture. Fold together both mixtures. Put the pan and the egg beater back in the freezer. In 2 or 3 hours, take them out and use the egg beater to whip the ice cream again.



SO WHAT:
You just made still-frozen ice cream. *Serve it immediately* because it will just turn into a block of sweet ice if you try to freeze it again. The big deal with regular ice cream is whipping air into it while it's being frozen. You need an ice cream freezer to do that.

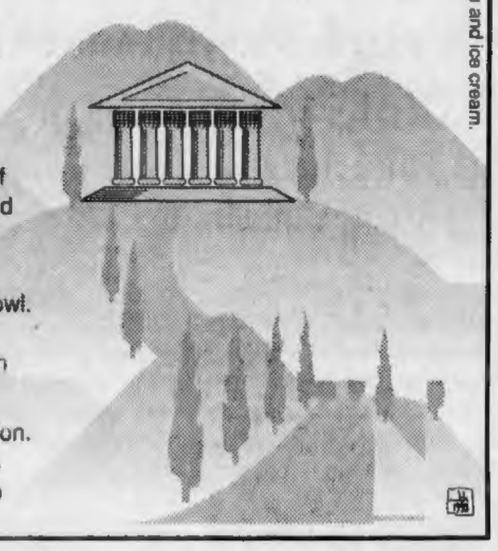
A Little History

Thousands of years ago, ancient Romans invented lots of stuff. Things like: Latin, bureaucracy, circuses, road building, and putting those fancy, flowery curlicue things on top of elegant Greek columns.

They also invented ice cream. Slaves had to run from the city of Rome up into the Alps – a range of mountains – to get snow and run back with it.

Everyone had to work quick because in ancient times, there weren't any freezers. Cooks took the snow and placed it in a bowl. They made a little crater in the top of the pile and stirred in a mixture of cream, sugar and a flavor. We'd use vanilla, although Romans used anise or mint.

The problem with snow ice cream in the modern world is pollution. All the poisons we spray into the air from our cars and factories make snow ice cream a lousy idea because it's really difficult to find snow that's clean enough to eat.



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Recycle this newspaper!

How to understand the alien language of the computer nets

■ A complete glossary of essential networking terminology and common abbreviations.

By J. D. CONSIDINE
THE BALTIMORE SUN

OK, so you read all that stuff about how Internet was the place to be, and decided to fire up your modem and log on for yourself. But now, after weeks of net surfing, you've noticed that hackers have a lingo of their own — and I don't mean C language. So here are a few terms you need to be conversant with before making the leap from lurker to net.personality.

ASCII — American Standard Code for Information Interchange; the 128-character standard used by most computers. See also "smileys."

bandwidth — Originally a technical term referring to the amount of data per unit time (told you it was technical) a computer or transmission line can handle, netters use it as a general description of net traffic, as in "That was a real waste of bandwidth."

BBS — Bulletin Board Service, a computer system that lets users post e-mail, upload or download files, and chat with other hackers (usually for a fee).

bogosity — The quality of being bogus, or something which is bogus. As in "You think Picard makes a better Starfleet commander than Kirk??? Such bogosity!"

C — A programming language developed at Bell Labs for use on UNIX systems; it is to MS DOS as a Ferrari Testarossa is to a Ford Escort.

C programmer — One who programs in C language; a brainiac.

cyberspace — Term coined by novelist William Gibson to describe the area of interaction between a virtual-reality system and a hacker's brain. Not currently accessible on the net.

e-mail — Electronic mail. As opposed to snail-mail, which is delivered by the U.S. Postal Service.

FAQ — A Frequently Asked Questions list, the document most Usenet newsgroups maintain to keep newbies from wasting bandwidth with stuff everyone else already knows.

flame — A hostile response to another user's stupid posting; to make such a response.

flame war — What you get when one flame begets another. At their worst, flame wars have been known to take over entire newsgroups.

flamage — What those newsgroup readers not involved in a flame war end up wading through.

FTP — File Transfer Protocol; that is, the system for transferring files across the net. Hence, an FTP site is a net address that contains files for transfer.

g — Grin or giggle. See also "smiley."

.gif — For graphic interchange format. A type of file allowing one user to upload a scanned image — usually a photo — so others may download and view it.

guru — An especially skilled and knowledgeable hacker.

hacker — One who hacks — that is, an avid user of computers. Refers most generally to any traveler on the net. Not to be confused with cracker, or one who breaks into systems in order to play pranks.

Internet — A worldwide network linking computers belonging to various individual entities. Strictly speaking, the Internet is for university and research purposes; its business equivalent is the Alternet. Usenet is the recreational end of the net, and is full of specialty newsgroups like comp.lang.c, rec.arts.comics, and alt.sex.fetish.diapers.

IMHO — In My Humble Opinion.

IMHO WIVH — In My Humble Opinion, Which Is Very Humble.

IRC — Internet Relay Chat. This is the net's "party room," a forum that allows real-time conversation with a variety of users. This is probably what Mike Doonesbury was logged onto when he was flirting with "Dancer."

.jpg — Pronounced "jay-peg," from joint photographic experts group. A type of file allowing one user to upload a scanned image — usually a photo — so others may download and view it.

KIBO — Central deity in the parody religion Kibology, created by net prankster James Parry, who goes by the username KIBO. Believed to stem from acronym of "Knowledge In, Bull Out."

line noise — Electronic transmission interference, resulting in garbage characters.

lurker — A regular newsgroup reader who never posts; one who experiences the net vicariously.

MEGO — My Eyes Glaze Over.

net — A network. Usually refers to Internet or Usenet.

netiquette — Proper behavior on the net.

net.personality — One who posts regularly or extravagantly enough to become famous within a newsgroup or newsgroups.

newbie — One new to the net. As in, "Read the FAQ, newbie!"

newsgroup — Any Usenet topic group, usually designated by discussion type (e.g. "comp." for computer-interest groups, "rec." for recreational groups, etc). Among the better-known newsgroups are alt.sex, misc.jobs.offered, comp.unix.wizards and rec.arts.sf-lovers.

phreaking — Phone freaking; that is, using a computer to crack telephone long-distance codes and the like. Needless to say, a highly illegal pursuit.

ROTFLOL — Rolling On The Floor, Laughing Out Loud; that is, "That was very funny."

.sig file — An elaborate signature, usually involving a quote or ASCII illustration, that is automatically appended to a user's posting.

smileys — Any face-like illustration made with ASCII characters used to convey emotion or satirical intent. For example, :) or :-) means "I'm happy" (lean your head to the left, and it looks like a smiley face), while ;) or ;-) means "I'm kidding." Use of noses optional.

STTNG Star Trek: The Next Generation.

sysop — System operator; the programmer in charge of a bulletin board.

UNIX — A multitasking operating system invented at Bell Labs and widely used on mainframes. Believed by some programmers to be the only operating system worth using.

'Parent' aircraft lead flock on a wild goose chase

By D'VERA COHN
THE WASHINGTON POST

Eighteen tired and honking geese, led by two ultralight aircraft they believed were their parents, touched down late last month on a Fauquier County, Va., field, after a seven-day journey from Canada.

The extraordinary sunset landing capped what is believed to be the first successful attempt to have birds learn their migration route from an aircraft. The experiment will be considered successful if the birds return here next fall, organizers said. The project also is expected to yield insights into goose behavior and endurance in flight, as well as communication among geese.

The geese and the metal-and-fabric aircraft — whose yellow bodies and batlike wings gave them a birdlike appearance — circled the airstrip at the Airlie Conference Center near Warrenton, an hour's drive from Washington, several times so the birds could have a good look at the terrain.

Canadian artist and pilot William Lishman, one of the experiment's organizers, landed his aircraft first. He climbed out, then looked up and made a few honking noises to coax down the geese.

In the other aircraft, pilot Joe Duff flew with the geese in tighter and tighter circles until the lead goose landed, to the applause of two dozen spectators.

The rest of the flock circled twice more and touched down, calling to each other as they did. Duff then brought his plane in.

The geese and pilots flew at speeds up to 50 mph and at altitudes up to 3,700 feet.

On the last day of the trip, the birds flew for 4½ hours, one of their longest days. In all, they flew four days and rested three, during bad weather.

If the experiment works on common geese, Sladen said, it eventually could be used to restore rare or endangered birds such as trumpeter swans and whooping cranes to areas where they once lived. The technique also could be used to lead away nuisance birds, including year-round flocks of geese on golf courses or suburban ponds.

Earthweek: a diary of the planet *By Steve Newman*

Rising Threat

Steadily rising water levels in the Caspian Sea since the early 1980s have swamped almost 3,000 homes and claimed 80,000 acres of farmland in northern Iran. A Mazandaran provincial official said that heavy rainfalls, overflowing rivers, and the encroaching sea have inflicted heavy damage to roads, bridges, farms, and houses. When the water started rising 20 years ago, it caused little concern, but now 18 coastal cities from Ramsar in the west to Banaaan in the east are threatened with gradual coastal erosion. It is estimated that water levels have a 60-year cycle of rise and fall on the Caspian Sea, the world's largest lake.

Tropical Storms

Torrential rains from typhoon Irwa unleashed avalanches of volcanic debris down the slopes of Mount Pinatubo as the storm swept across Luzon. After passing across the South China Sea, Irwa brought heavy seas and high winds to China's Guangdong coast. Gusty winds and heavy rain on the edge of the storm contributed to the ditching of a Taiwanese 747 jetliner into Hong Kong Harbor as the plane was attempting to land at the Crown Colony's airport.

World Health

An outbreak of mosquito-borne dengue fever has spread from the Costa Rican countryside into the capital. Health ministry official Ana Gabriela Ross announced that three cases of dengue had been reported in the poor and crowded neighborhood of Pavas in San Jose. The government warned people to fumigate porches and patios, and eliminate standing water which may serve as a breeding ground for the Aedes aegypti mosquitoes that carry dengue.

UV Alert

Ultraviolet radiation rose by 30 percent during the last few days of October along the central coast of Chile. Researchers at Santa Maria University in Santiago said that the jump in UV readings is due to the record depletion of stratospheric ozone this season over the higher latitudes of the southern hemisphere. According to World Health Organization studies, increased exposure to ultraviolet radiation can cause cataracts and skin cancer, and weaken the body's immune system.

Earthquakes

Strong quakes rocked the capital cities of Nicaragua and the Philippines but there were no reports of damage.

Earth movements were also felt in southwestern India, Papua New Guinea, south-central Alaska, China's Qinghai province, and parts of Southern California.

Wildfires

For a second consecutive week, parts of California were devastated by wildfires fanned by strong desert winds blowing into coastal areas. More than 200 homes were destroyed in this second round of wildfires, including many owned by show business celebrities. Emergency management officials were forced to dispatch a Coast Guard cutter to the beaches of Malibu to rescue people trapped by fires that had spread from fashionable nearby mountain and canyon areas to the famed Pacific shoreline.

Floods

More than 15,000 people were forced from their homes by heavy flooding in Honduras and parts of neighboring Nicaragua. Officials said that at least 110 people died during the inundations which caused rivers to surge out of their banks. Mud slides cut off villages along Honduras's main Atlantic coastal highway.

Flash flooding on the Mediterranean island of Corsica swept four people to their deaths and destroyed a dozen bridges.

Frog Jam

A three-mile-long segment of highway in western Iran's Hamadan province was blocked by millions of frogs which may have been flushed out of their usual breeding grounds by several days of heavy rains. However, some unconventional Iranian researchers have speculated that major changes in the earth's strata and faults may have increased underground temperatures, making some subterranean habitats of the frogs too warm for the amphibians' comfort.

Additional Sources: *U.S. Climate Analysis Center, U.S. Earthquake Information Center, British Broadcasting Corporation, and the World Meteorological Organization.*

CHIPPEWA HERALD-TELEGRAM

Our job is to serve responsibly, constructively, imaginatively

(Max H. Lavine, 1945-1956)

JOHN M. LAVINE, Publisher GARY B. GAIER, General Manager

HOLLY MEIER, Editor

For every thing there is a season and a time for every purpose under heaven:

A time to be born, and a time to die; A time to keep and a time to cast away;
A time to break down, and a time to build up; A time to keep silence and a time to speak.

—Ecclesiastes

but what about civil rights?

At the same time that the Herald-Telegram compliments President Nixon on his recent economic policy, his overtures to Red China and his positive intervention in the Berlin talks, we credit him with having a confusing and inhuman Civil Rights record.

This nation has spent enough years being blind to the problems of our minorities — or as has recently been the case, trying to solve these problems with rhetoric rather than answers.

In light of this, it is tragic that the President would be so insensitive to the plight of minorities in our country that he would undercut even the Supreme Court's insistence on "integration now" by saying that he did not support the busing of students to achieve racial balance as a solution to the problems of segregated school districts.

Certainly, if the President is going to pull the rug out from under the only substantive answer to segregation that has been found, busing then he has a overwhelming responsibility to at the same time recommend an equally effective and more workable solution.

Yet, as has been sadly typical of the President's weak Civil Rights policy, Mr. Nixon said that he did not like busing, but he gave no hint as to what other course of action school districts might follow.

The Nixon Administration is also equally weak in its Civil Rights federal housing policies.

In conclusion, we can only say that at the same time as the President has a lauditory record on some fronts, he is rapidly moving towards the point when historians will look back on his years and say that when it came to federal action which righted the decades of tragic treatment of our minorities. Richard Nixon added to rather than erase that dismal record.

senate votes

199 - Campaign reform, voter campaigns, Aug. 5, 1971. The Senate tabled an amendment by Sen. Packwood, R-Ore., to require disclosure of any services performed by committes or organizations promotion "get-out-the-vote" campaigns.
Nelson - Yes Proxmire - Yes

200 - Campaign reform, credit, Aug. 5, 1971. The Senate tabled an amendment by Sen. Packwood, R-Ore., to bar a federally regulated industry from extending further credit to political committees which have debts to the industry that remain outstanding after two years.
Nelson - Yes Proxmire - Yes

201 - Campaign reform, spending limit, Aug. 5, 1971. The Senate rejected an amendment by Sen. Allen, D-Ala., to increase the campaign spending limit in the bill.
Nelson - No Proxmire - No

202 - Campaign reform, broadcast charges, Aug. 5, 1971. The Senate rejected an amendment by Sen. Curtis, R-Neb., to strike from the bill a section to require broadcasting and non-broadcasting media to charge candidates at the lowest unit rate they charge other customers for the same amount of time or space.
Nelson - No Proxmire - No

203 - Campaign reform, Aug. 5, 1971. The Senate passed the federal election campaign practices bill.
Nelson - Yes Proxmire - Yes

204 - Disaster relief, Aug. 5, 1971. During the debate on the economic disaster relief assistance bill, the Senate rejected an amendment by Sen. Buckley, Con-R-N.Y., which would have limited areas eligible for assistance to those which suffer sudden increases in unemployment due to the loss or closing of major sources of employment. The bill as passed would allow assistance for areas of high unemployment regardless of the Source.
Nelson - No Proxmire - No

205 - Disaster relief, Aug. 5, 1971. The Senate sustained the ruling of the presiding officer that an amendment offered by Sen. Humphrey, D-Minn., to allow payment of extended unemployment benefits was not germane to the bill.
Nelson - No Proxmire - No

206 - Disaster relief, Aug. 5, 1971. The Senate passed a bill to make areas that are suffering from high unemployment eligible for emergency federal aid as "economic disaster" areas.
Nelson - Yes Proxmire - Yes

207 - Education, sex discrimination, Aug. 6, 1971. Taking up an omnibus college aid bill, the Senate sustained a ruling by the presiding officer that an amendment to forbid recipients of aid to discriminate on the basis of sex was not germane to the bill. The amndment was offered by Sen. Bayh, D-Ind.
Nelson - No Proxmire - No

208 - Labor, HEW Departments, appropriations, conference report, Aug. 6, 1971. The Senate adopted the conference report on a bill to appropriate fiscal 1972 funds for the HEW and Labor Departments and related agencies.
Nelson - Yes Proxmire - Yes

209 - Public - service jobs appropriations, Aug. 6, 1971. The Senate passed a bill to appropriate funds for the Labor Department to begin the public - service jobs programs.
Nelson - Yes Proxmire - Yes

210 - Education, foreign service scholarship, Aug. 6, 1971. The Senate rejected a motion to able an amendment - offered to the college aid bill by Sen. Dominick, R-Colo. - to establish a foreign service scholarship program.
Nelson - No Proxmire - Yes

211 - Education, foreign service scholarships, Aug. 6, 1971. The Senate rejected an amndment by Sen. Fulbright, D-Ark., to delete from Sen. Dominick's foreign service scholarship amendment a provision to authorize subsistence payments of $300 a month to foreign service trainees. Dominick withdrew his amendment from consideration after the vote.
Nelson - Yes Proxmire - Yes

212 - Education, Aug. 6, 1971. The Senate passed a bill to authorize the HEW Department to spend $18 billion in the next three years for higher - education programs.

unfortunately (for plotters) the Egyptian ghost was wrong

CAIRO (UPI)—The plotters wanted to take over the Egyptian government and the spirits told them they had it made.

All they figured they needed was a cabinet crisis. Then the army would step in, President Anwar Sadat would step down and they would step up.

To ensure success, the government says they rifled the president's safe, bugged his office, stockpiled weapons, set up secret raidos and a printing press and created a nationwide secret organization.

As an added precaution, three key members of the conspirators, led by former Vice President Ali, Sabry, consulted a local professor who dealt in the occult. It was bingo. A ghost told them their action would succeed.

Unfortunately, Egyptian ghosts can be wrong and the advice allegedly received by former War Minster Gen. Mahmoud Fawzi, Interior Minister Sharawi Gomaa and Presidential Affairs Minster Sami Sharaf proved disastrous.

When the 91 plotters moved on May 13, their next residence turned out to be jail rather than the national palace.

For a cabinet coup that failed, it had a powerful array of members. They included Sabry and the chiefs of seven ministries, Egypt's only political party, the national assembly and the secret police.

But fail they did. Today all face charges of high treason and possible sentences of death or life imprisonment in Egypt's biggest political trial since the 1950s.

Portents of the pending power struggle began emerging May 2 when Sadat fired Sabry in a dispute over the president's decision to merge Egypt with Libya and Syria in a federation. The following week leaflets appeared in Cairo castigating the president's policies.

On May 13 Sadat sacked Gomaa from his job as interior minister and head of the secret police, but made no announcement of the move. The plotters decided to act.

Shortly after sundown the national radio began broadcasting militant music and announced the ministers of interior, war, presidential affairs, information and housing had resigned from the government.

The indictment said this was the signal for the military and demonstrators to start their follow up. But nothing happened. The streets remained silent. Then Sadat reacted.

Within hours his backers had regained control of the radio station and arrested his chief opponents without violence. The rest were rounded up along with two more ministers in the following days.

The high treason charges provoked by these events have led to the largest political conspiracy trial in Egypt since 1957.

elderly Grivas can still make Cyprus tremble, premier frown

Even though Gen. George Grivas is 73 years old, the mention of his name still can cause tremors on the island of Cyprus and bring a frown to the forehead of Greek Premier George Papadopoulos.

Ever since the mid-1950's when he led Cypriot guerrillas in a fight for independence from Britain, Grivas' name has been associated with violence and intrigue worthy of a paperback spy thriller.

After a period of obscurity, his name again surfaced in recent days when he disappeared from Greek government surveillance in Athens and, amid rumors, re-appeared on Cyprus. Even though Grivas himself maintained silence, his presence was enough to cause the island to brace for renewed trouble.

The issue between Greeks seeking Enosis and Turks favoring partition is responsible for much of the violence on the island going back years. More than a hundred assassination attempts have occurred since Cyprus became independent in 1960, several of them against President Archbishop Makarios.

A 1968 attempt against Greek Premier Papadopoulos was said to have Cyprus links.

Forces opposed to both Papadopoulos and Makarios are suspected of having a hand in Grivas' escape from his closely guarded Athens home.

Grivas' surprise return to Cyprus climaxes a summer of increasing tensions between the island's 600,000 Greeks and approximately 100,000 Turks. It was Grivas who as commander of the Cypriot National Guard in 1967 ordered an attack on two Turkish villages that nearly led to war between Greece and Turkey.

As result of that incident Grivas was ordered into unwilling retirement and placed under guard.

Three years of talks between leaders of the Cypriot Greek and Turkish communities foundered on the old issue of partition as demanded by the Turks.

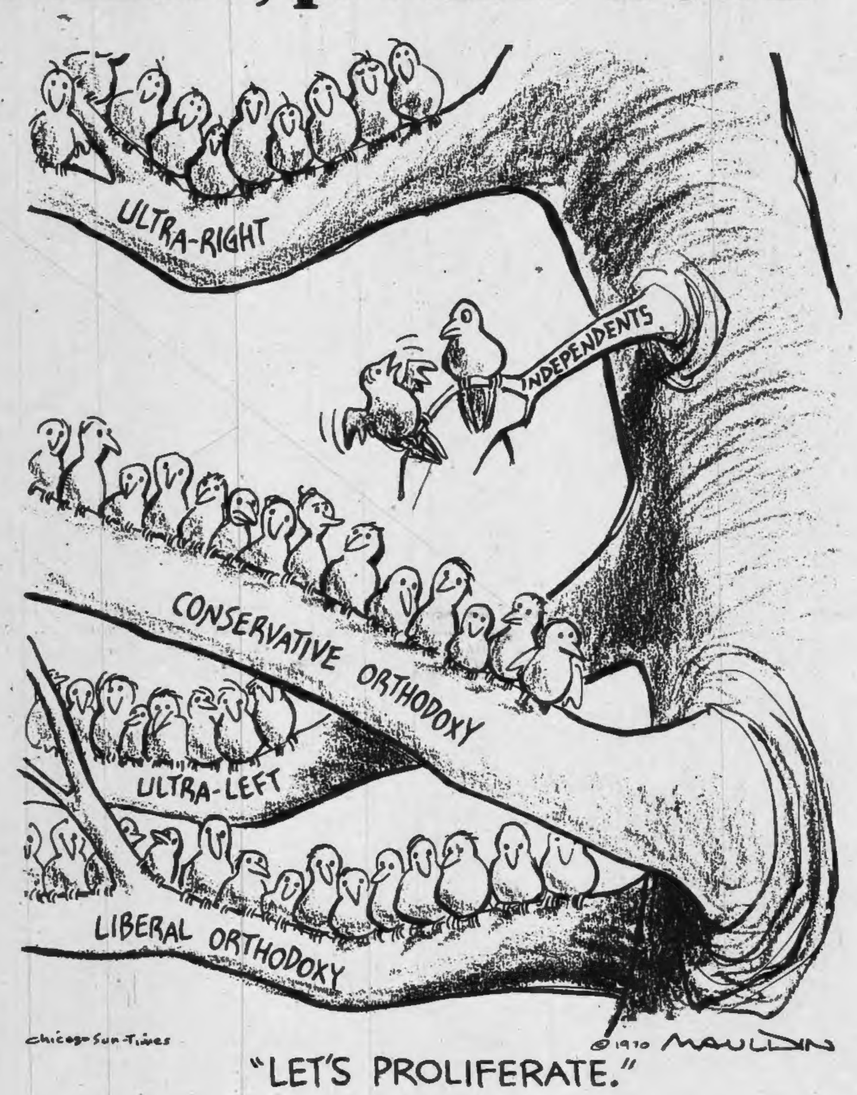
Failure of local leaders has led to mounting fears among Greek Cypriots that the governments of Greece and Turkey were nearing agreement of their own which would be imposed upon the island, on terms unfavorable to the Greek inhabitants.

A United Nations peacekeeping force has been on the island since the spring of 1964 under terms renegotiated every six months by U.N. Secretary Gen. Thant. Makarios has dispatched his foreign minister to New York where the U.N. General Assembly is to convene Sept. 21. Reportedly, he is to seek new moves to break the deadlock.

Letters to the editor are welcome on any issue, but the Herald-Telegram wants to remind readers that they must be signed.

Letters should be around 500 words in length, and the Herald-Telegram reserves the right to edit those that are too long.

Writers who do not wish to have their names published with their letters may signify this and furnish an anonymous signature.



"LET'S PROLIFERATE."

ART BUCHWALD

Tells It Like It Isn't

WASHINGTON — There was good news out of Washington last week. According to Atty. Gen. John Mitchell, President Nixon's war on crime has been successful, and the results of the Administration's monumental efforts have been so great that "fear is being swept from the streets of some — though not all — American cities."

He was supported in his optimism by Jerris Leonard of the Justice Department's law enforcement assistance administration, who said the only ones who weren't happy with the decrease in the 1970 crime statistics were the President's critics.

"I believe," Mr. Leonard told a conference of law enforcement officials, "they are principally disturbed because they have lost something — crime as a political issue has been taken away from them. They feel they have been robbed, and being robbed they are angry."

The reason for the euphoria in the Justice Department is that FBI statistics for 1970 indicated that the rate of increase of crime had gone down from 12 percent in 1969 to 11.3 percent in 1970.

This sounded terrific until I read that the same statistics revealed that 566,700 more crimes had been committed in 1970 than in 1969.

Admittedly confused, I sought out my friend Prof. Heinrich Applebaum, the great Justice Department statistician, whose definitive book "Do Decimal Points Have a Sex Life?" is used in every math class in the country.

"Prof. Applebaum, the Justice Department reports that the rate of crime has gone down in the country under President Nixon. Yet the same report says there have been a million more crimes in the past two years. How can that be?"

"It's quite simple," said Applebaum. "Percentagewise crime has gone down, crimewise it's gone up."

"But where does that leave the average person?"

"It depends whether you're a Republican or a Democrat. If you're a Republican you have nothing to fear walking the streets of our American cities. But if I were a Democrat, I'd stay home."

"Are you saying that the Republicans are trying to take the crime issue out of the 1972 campaign?"

"They have," Applebaum said. "The last year the Democrats were in office crime had gone up 13.8 percent. When the Republicans took over in 1969, it only went up 12 percent and last year 11.3 percent. The Democrats can't argue with that."

"But still more people were robbed, mugged, murdered and raped in 1969 and 1970 than they were in the previous four years."

"We're not talking about people," Applebaum said, irritated. "We're talking about percentages. You can't think about the people who were molested in 1969 and 1970. You have to think about the ones who weren't. There are probably over 100,000 citizens who weren't mugged this year, thanks to President Nixon's leadership."

"It's hard to think in those terms," I admitted.

"That's because you're not running for election next year. You must understand the reporting of crime is a very serious business, and can cause great conflict. J. Edgar Hoover, in order to prove he is doing his job, has to show that crime is going up in the country. At the same time the Administration has to prove that crime is going down.

"The attorney general has solved the problem by reporting the percentages, which are lower, and Hoover by reporting the crimes, which are higher. That's the beauty of statistics. It makes everyone feel better."

"Well, thank you, professor, for the explanation."

"That's perfectly all right. Here, let me unlock the door for you. This is really a creepy neighborhood."

HOLLY MEIER

Off the Beat

Half the people in the world are trying to beat the other half out of something.

And this, apparently, is our way of life.

Take the most recent issue of Esquire magazine, for a f'instance.

It tells about a "little blue box" which, according to the writer, "places the entire telephone system of the world — satellites, cables and all — at the service of its operator, free of charge !"

The blue box, as pictured in the magazine, looks like a tiny portable radio; is small enough to fit in the palm of your hand; and is not necessarily blue.

They have come to be called blue boxes, says New York's Village Voice reporter Ron Rosenbaum, either because those confiscated by the telephone company happened to be blue, or to distinguish them from "black boxes," which are devices which allow incoming calls to be made without charge to the caller. The boxes have twelve buttons on the front and one on top.

EACH OF THE BUTTONS reporduces an electronic sound— a beep — that the phone company's own equipment makes.

Essentially, it gives its operator the power of a super operator, a "phone phreak" revealed to Rosenbaum, and you can control the phone company's long-distance switching system from your own Princess phone or any old pay phone.

How does it work?

The Esquire article cites this explanation:

"About twenty years ago A.T.&T. made a multibillion-dollar decision to operate its entire long distance switching system on twelve electronically generated combinations of six master tones. They decided to use very simple tones - the tone for each number is just two fixed single-frequency tones played simultaneously to create a certain frequency." The frequencies became public knowledge when a Bell Telephone Laboratories engineer published an article in a technical journal which listed actual frequencies used to create all multi-frequency tones, the article reports.

The tones, Rosenbaum explains in the magazine article, are the sounds you hear in the background, sometimes, after you've dialed a long distance number, and are not the same tones you hear in touch-tone phones. Phone phreaks believe, says Rosenbaum, that A.T. & T. deliberately equipped touch tone phones with a different set of frequencies to avoid putting the six master tones in the hands of every touch-tone owner.

THE TONES, THEN, according to the article, simply have to be reproduced and fed to the phone company's equipment through any toll-free long distance number, such as the 800 numbers used by a number of hotels, airlines and credit card companies. The original phone phreak was a blind kid with perfect pitch, says Rosenbaum, who used to whistle into the phone.

"An operator could tell the difference between his whistle and the phone company's electronic tone generator, but the phone company's switching circuit can't tell them apart."

Since frequencies are public knowledge, one has only to find the musical notes which correspond to the phone tones. "Any cheap family home-entertainment organ will do," said one phone phreak, who also disclosed that the whole list of notes as well as the frequencies is now in circulation in the underground phone phreak network.

The network, he said, can even provide cassettes with all the tones recorded, so with two cassette recorders anyone can put together a series of phone numbers and can make all the free calls he wants.

"THE BIGGER THE PHONE company gets and the further away from human operators it gets, the more vulnerable it becomes to all sorts of phone phreaking," said one of them in Esquire.

The article also reports the opinion that the recent series of blue-box arrests only mean that "an awful lot of blue boxes are flooding into the country and that people are finding them so easy to make that they know how to make them before they know how to use them."

And, if a blue-box operator sticks to pay phones and 800 numbers, the phone company can't stop them.

"Not unless they change their entire nationwide longlines technology, which will take them a few billion dollars and twenty years — right now they can't do a thing," Esquire claims.

Out of the Past

40 YEARS AGO
September 17, 1931

The milk booth at the fair under the management of Alice Touhy did a good business on this warm afternoon.

Purity Sausage Co., started operations in the Chippewa Candy Co. building on East Columbia St.

30 YEARS AGO
September 17, 1941

The water main serving the south side of Chippewa Falls will be turned off tonight in order to make repairs on a section crossing the river.

500 attend Eau Claire - Chippewa Deanery Meet.

20 YEARS AGO
September 17, 1951

Chippewa Falls Police Department Pistol Team won second place in Class "E" in annual Police Pistol Shoot Tournament held in Eau Claire.

Mrs. L. Parsium presented with diamond emblem for twenty-five years service with the Wisconsin Telephone Co.

10 YEARS AGO
September 17, 1961

Macks down Wausau Newman 19-13.

Wisconsin's 32nd National Guard Division has been ordered into federal service and will report to Ft. Lewis, Wash., Oct. 15.

house votes

213 - Appalachia, July 28, 1971. The House passed a bill to extend the Appalachian Regional Commission and the Commerce Department's economic development programs.
Kastenmeier-Yes Obey-Yes O'Konski-Yes Thomson-Yes

215 - HUD, NASA, VA appropriations, July 29, 1971. The House adopted the conference report on the bill to appropriate fiscal 1972 funds for the HUD Department, the National Aeronautics and Space Administration, the Veterans Administration, the National Science Foundation and related agencies.
Kastenmeier-Yes Obey-Yes O'Konski-Yes Thomson-Yes

Crime

Electronic 'Phreaks' Wreak Havoc On Nation's Large Computer System

By JEFFREY PERLMAN and DEBI A. HASTINGS
(c) 1981, Los Angeles Times

LOS ANGELES — During a party at a Hollywood pizza parlor one Saturday night last May, Kevin Mitnick, 17, Lewis DePayne, 21, and Mark Ross, 25, decided to drive to Pacific Telephone and Telegraph Co.'s downtown Los Angeles computer center and paw through trash.

They were looking for discarded correspondence and computer printouts bearing confidential codes and account numbers. With them, the trio could wreak havoc on the telephone company and its computer systems. Such search missions had worked before, Mitnick later told authorities.

They did not stop at rummaging through trash.

Court records quoting Mitnick in statements to the FBI say they pretended to be on a phone company tour, entered the center and stole several important computer manuals. The three were arrested last summer and charged with a variety of crimes. Through their attorneys, all three declined comment.

What seems especially noteworthy to authorities is that these young men say they were doing it for kicks. And what happend at PT&T appears to be only a sample of what those who understand complex telephone and computer systems can do.

Mitnick, for example, also was charged with gaining access to a private San Francisco company's computer. The company initially estimated that it would cost $250,000 to reprogram information that had been lost or altered.

And Mitnick told the FBI that he had obtained sensitive data from "The Ark," Digital Equipment Co.'s main computer in Maynard, Mass.

Indeed, what emerges from court records and interviews is a subculture of about 150 people in California, many of them teen-agers, who have used telephones and computers in illegal ways. Computer pranksters are suspected — or have claimed responsibility — in:

—Shutting Pacific Telephone's directory assistance service in the Pasadena, Calif., area twice in recent weeks.

—Obtaining records from the computer of the California Department of Motor Vehicles.

—Obtaining confidential credit information from a major Southeren California credit bureau's computer.

Theft of PT&T's computer manuals could have enabled Mitnick and his friends to shut much of the phone service in the Los Angeles area, a district attorney's investigator recently speculated, and PT&T has fired the security firm that had been guarding some of its offices.

What's more, by Mitnick's account to the FBI, Mitnick and his friends had gained unauthorized access to computers all over the United States — computers supposedly impenetrable to all but selected people who know the codes and passwords to make the computers respond, like keys that unlock doors.

Computer pranksters obtain those "keys" by posing as company employees, by rummaging through company trash, or simply by trial and error, using likely combinations of words and numbers. Companies using computers, it seems, have a limited imagination when it comes to codes and passwords, and few firms bother to pay the $50,000 and more that it costs to install special scramblers to protect computerized data.

The computer "phreaks" use computers to arrange sexual encounters, trade equipment and information about the latest computer games, and to share electronic espionage and sabotage techniques.

There are clubs, newsletters and electronic bulletin boards, and the participants often adopt nickname identities, much like citizens' band radio users. Computer play is a hobby to many, but it occasionally crosses into more serious pranks.

A computer bulletin board called "Apple Cider" was used to transmit a death threat to a San Gabriel, Calif., woman, who is expected to testify in the trial of one of Mitnick's codefendants. The source of the threat could not be traced, authorities said.

Donn Parker, an author and computer crimes specialist at Stanford Research Institute in Palo Alto, Calif., calls computer pranking part of a "serious, widespred, international problem."

Parker said the phenomenon hit home for him when his 14-year-old son was victimized by fellow students who were able to "talk" to their school computer and change grade transcripts.

"These are technological trespassers," Parker said. "They often do it just for the sheer joy of destruction. It looks fairly benign at first, but then some of them go on to more serious crime."

Authorities say there was no law specifically making it illegal to gain access to someone else's computer until 1980, when a law sought by business and prosecutors took effect.

The new law, Penal Code section 502-C, states:

"Any person who maliciously accesses, alters, deletes, damages or destroys any computer system, computer network, computer program or data shall be guilty of a public offense."

Some lawyers say the new felony statute covers any computer access gained without permission. But others say it applies only to efforts to "vex, harass or destroy," not to unauthorized look-sees.

Some companies previously victimized by computer fraud, such as TRW Credit Data, have increased security by changing their operating procedures and by installing sophisticated equipment, but many others seem not to care.

Pranksters seem bent on proving they can do almost anything with computers and phone lines, and engage in one-upmanship.

"These are people who are experiment prone," said Bruce Goldstein, a computer system security consulant in San Francisco.

"To me it's an ethical issue. It stems from what students in high schools and universities are being trained to do.

"It's the mentality that pervades the universities and their computer 'crash' clubs, where the students are actually taught how to crash (destroy) a computer program. Instead of teaching them how to crash a computer, they should teach them a lot more about how to prevent it."

Public court records quote Mitnick, now 18, telling authorities that he and other pranksters discussed trying to gain access to the national computer network known as NCIC, which processes criminal intelligence information for law enforcement agencies.

"...I called the police station and they gave me their code, but I never tried to get into it," Mitnick said, according to court documents.

However, Bruce Patton, a friend of Mitnick, told The Times that computer "phreaks" have obtained access to NCIC, and have run names through it without destroying or modifying data.

"I was there when they did it," Patton said.

Known as "Bruce of Irvine" on electronic bulletin boards, Patton, 28, is a self-described "phone phreak."

He called a Times reporter late one night and asked "What would you say if I told you I knew a format to type someone's phone service out of existence?"

Patton — with a Times reporter listening in — used a law firm's computer to communicate with a Pacific Telephone computer and read back supposedly private information about The Times' telephones. Patton said he is now cooperating with phone company officials.

Where did Patton come from? How did he get into phone and computer "phreaking?"

A telephone and computer specialist who maintains data systems for a Southern California law firm, Patton said, "Most of us (computer pranksters) started out as bored kids."

"I didn't go to high school or college. I dropped out in the sixth grade...I worked on ranches, took care of horses. I bugged people's telephones and stole equipment from the phone company."

Mitnick told authorities that a high school friend triggered his interest in computers in the 10th grade. Soon a group of friends started spending all of their spare time playing computer games.

Then in May 1980, Mitnick and another juvenile were caught by University of California Los Angeles campus police using campus computers and phone lines to "talk" to computers at the University of Southern California and elsewhere.

Among the items found on the juveniles:

Computer printouts of their UCLA transactions, a false Pacific Telephone employee identification badge, and a homemade black code book showing how to gain access by phone to various computers, including airline ticket sales and reservation systems.

Art Longo, a UCLA police detective who worked the case, said of the black code book confiscated from the two juveniles.

"It must have taken years of hard work to collect the numbers and information they had in it."

But Patton said he sees such efforts as fun, not work, and added:

"It's very addictive. Sometimes it's better than sex."

Janitorial Firm Lodges Lawsuit

The sum of $35,000 is sought in a lawsuit filed at the courthouse by Robert Nemeth, trading as Robert's Janitorial Service, 125 E. Broad St., Hazleton.

Defendant is Hazleton Insurance Center, Inc., 25 E. Broad St., Hazleton.

It is stated that a contract was made with the State Department of Transportation on Dec. 16, 1977, and the service agreement called for work at two rest areas along Interstate Route 81.

A bond is required, it is stated, and arrangements were made with the defendant. It is claimed that PennDOT cancelled the contract because the Hazleton Insurance Center, Inc., failed to prepare and provide the bond.

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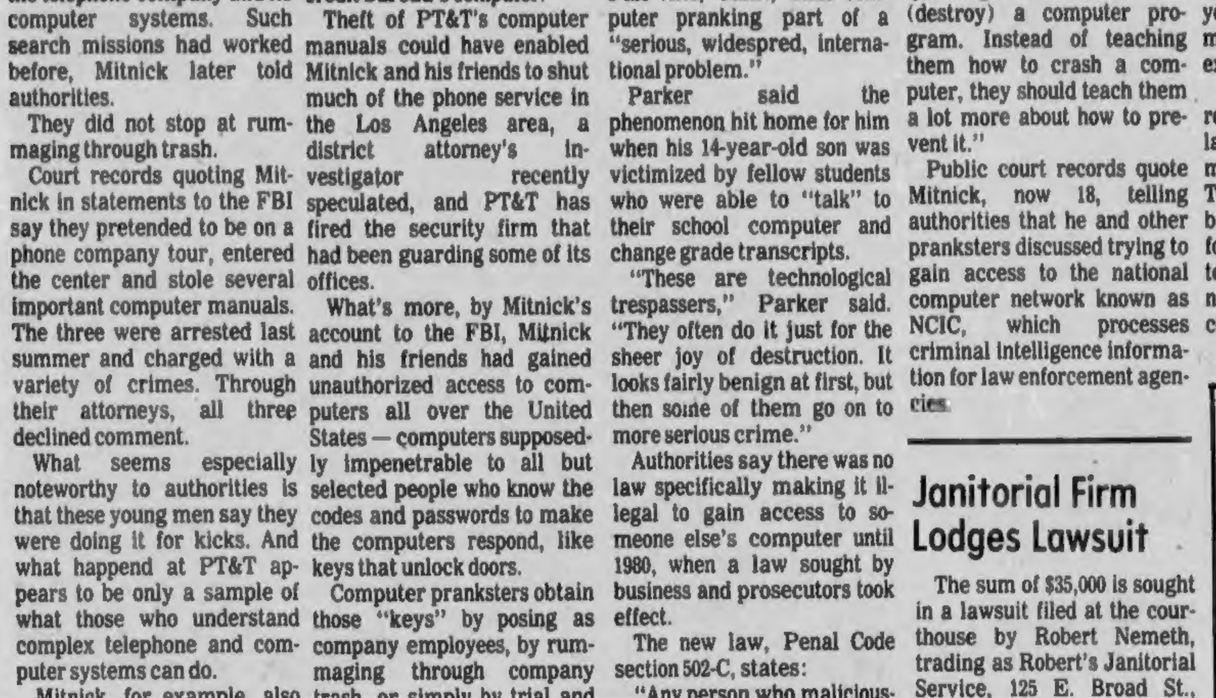


Boyd-Dodson Sixth Graders Intra-mural Champs

In a unique program sponsored by Wilkes-Barre Area School District, Boyd-Dodson Elementary School Sixth Grade class won the intra-mural soccer championship.

The program, under supervision of Harry Vogt, intra-mural director and vice principal of Kistler School, had five schools participating in the tournament: Dodson, S & S, Kistler, Bear Creek and Mackin.

In each school, teams were made up of classes and the winning class would participate against the winning class of other schools. In the tournament final, Dodson defeated S & S, 1-0 in overtime. Teacher of the winning class is Thomas Palfey, while Thomas Moore is teacher of the S & S finalist class. Herbert Dutt is physical education teacher at Dodson and Debbie Trubela is physical education instructor at S & S.

Soccer champions, first row: left to right: JoAnn Jeziorski, April Wilde, Barbara Ayers, Lisa Sabatino, Coreen Perks, John Charneski, Lou Bitonti, Sean Hagan. Second row: Pascale Lakkis, Melissa Thompson, Saretha Wade, Michelle Biniek, Kim Barnes, Andy Wanat, Scott Callahan, Anthony Martinelli, Steve Laird, Paul Goy. Third row: Joanne miller, Lisa Wasielewski, Jennifer Correll, Judy Flaherty, Chani Mitchneck, Tracy Malay, Michael Kehoe, James Belcastro, Steve Hall, Brian Kaminski.

Supervisors standing, from left: in back row: Chet Wasilewski, athletic director of Wilkes-Barre Area School District; Vogt, Joseph Obeid, principal; Herbert Dutt, Thomas Palfey.

Postal Service Offers Mint Set

A hard-cover, case-bound Americana Mint Set album has been put on sale by the U.S. Postal Service.

The new philatelic product, a 52-page album featuring photographs and background on 27 Americiana Series definitive postage stamps, also is available by mail order from the Philatelic Sales Division, Washington, D.C.

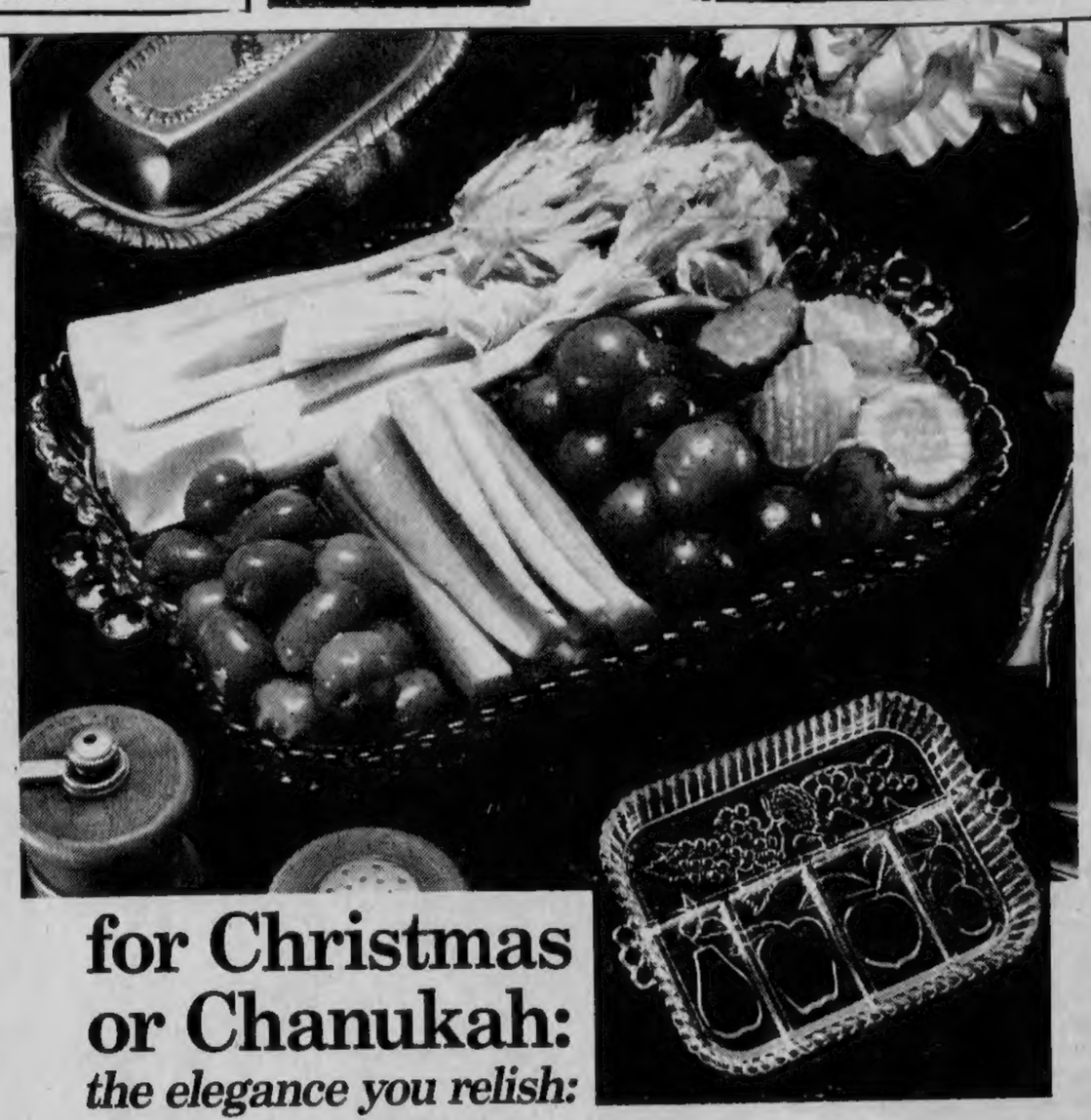
The album contains 24 of the 27 stamps in the Americana Series, which has begun in December 1977. The three stamps the album does not contain are the nine-cent, the 7.9-cent and the 7.7-cent coil stamps. These were not available to the Postal Service in sufficient quantity for inclusion in the albums.

All stamps in the Americana Series have a similar design concept. They emphasize subjects relating to the history and culture of the United States and the designs also feature "wrap-around" lettering. When four theme-related stamps are placed together, they form a "picture frame." For example, one grouping highlights the four freedoms guaranteed in our nation's Bill of Rights — the "freedom of the press," the nation's Bill of Rights — the "freedom of the press," the "right of the people peaceably to assemble," the "right of petition for redress," and "freedom of conscience."

The album also features appropriate quotations from historic and distinguished American leaders with regard to the ideals upon which the United States of America was founded and developed.

The Postal Service also announced that the Americana Series mint set album, which sells for $14, is being issued in a limited edition.

Mail orders should be addressed to the Postal Service's Philatelic Sales Division, Washington, D.C. 20265-9997. Customers ordering the album from the sales division should note that there is a 50-cent postage and handling fee.



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£400 'BILL' FOR STUDENT WHO DIALLED WORLD

SOMEBODY, somewhere got a phone call from student Duncan Campbell . . .

But yesterday a court "reversed the charges" and fined him £200 with £200 costs.

For the somebody, somewhere, was somebody in Moscow . . . Melbourne . . . Washington . . . Virginia . . . and Los Angeles.

RECORD REPORTER

And the 19-year-old Oxford graduate from 23 Strathearn Road, Dundee, was using the American "phreaking" system.

FIRST

Campbell, the son of Professor Archibald Campbell, who helped in the Tayside Development study, was the first person in Britain to be prosecuted for "phreaking."

He admitted two charges and asked for five others to be considered.

The court at Oxford was told that one of the calls was to a "house of ill repute" in Sunset Boulevard, Los Angeles.

Another was to a man called Vladimir in Moscow whom Campbell told:

"I'm phoning from London to express solidarities from the English Jewish students and we sympathise with you."

Mr Russell Harris, prosecuting for the Post Office, said in the early part of February it became obvious that illegal calls were being made from Oxford.

Engineers and investigators tracked them down as coming from two phones in St John's College.

Then, on a night in March, a policeman stopped Campbell carrying a hold-all as he left St John's.

In the bag were folders containing codes, the blue box, and a tape recorder.

The court heard that five Post Office engineers and investigators had spent a month on the case.

Duncan Campbell . . . spoke to Vladimir.

Fran's geared up for a honeymoon

SUE and Fran Nowak prepare to leave for their honeymoon . . . after a last-minute wedding test.

But it earned them TWO licences—one for the marriage, and one for driving.

For 29-year-old Fran's driving test was booked for the same day as his register office wedding in Watford, Herts.

HE turned up, immaculate in morning suit and white carnation with "L" plates tucked under his arm.

Nervous

SHE turned up looking splendid in a long white period costume dress, with parasol, white lace hat—and fingers tightly crossed.

The wedding went off without a hitch.

But then as 24-year-old journalist Sue, of Watford, left with guests for the reception, scientist Fran and driving instructor Mick Jones drove the nine miles to the test centre at St. Albans.

There, after an hour's wait—and a mini-reception with a cup of hot sweet tea—the nervous bridegroom heard examiner Neil Cox say: "CONGRATULATIONS you've passed."

Cake

Back at Watford, the couple rushed into each other's arms . . .

And as they cut the cake the new Mrs Nowak said proudly:

"We now have a licence to do—well—almost anything . . ."

The box that beat the boffins

By KENELM JENOUR

THE secret code of the world's telephone systems was broken by phone "phreaks" just four years ago.

And the menace of international free calls grows daily . . . as more people learn to operate the amazing "little blue boxes."

In the mid-60s most countries converted their telephone equipment to a compatible system based on 12 tones.

And ever since, students skilled in electronic circuitry have been working to beat the system.

In 1968 they succeeded.

They discovered a fatal flaw. All the control signals, the 12 telephone tones which activate most equipment, come over the same circuit we use to make ordinary local calls.

Radio

Phone phreaks even know now how to call President Nixon on his private line in the White House, and how to "tap" into the President's own calls.

The blue boxes cost just an afternoon's work and anything from £5 to £25.

And they can be made from materials available at any radio supply store.

The phreaks recently made one more daunting discovery. They can criss-cross the world with calls. Taking up line after line, eventually blocking a city's entire long-distance circuit so that no-one else can call in or out.

A SHUT-DOWN BLOW TO 170

THE 170 workers in a foundation garment factory were told yesterday that the firm will close in a few months.

But the bosses of the Berlei factory in Alexandria, Dunbartonshire, said another firm plan to move in almost immediately and the jobs should be safe.

The Berlei firm, which mainly employs women, is to concentrate its production in Wales and England.

'Army' of youths attack buses

By PAT ROLLER

AN "army" of youths last night pelted two Corporation buses with missiles.

A window on one of the buses, a No. 28, was shattered as a bottle crashed through the glass, spraying the passengers with splinters.

One man on the top deck was hit by the bottle.

As the driver stopped the bus in Scaraway Street, at Skerry Street, Milton, Glasgow, the other passengers helped the injured man.

One passenger said later: "It was like an army on both sides of the street. They were throwing stones and bottles."

The injured passenger was taken to Stobhill Hospital.

Plea

GLASGOW'S Chief Constable has asked motorists to use the signposted traffic routes and car parks for today's Rangers v. Hibernians Scottish Cup semi-final at Hampden Park.

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The Sunday Courier

TEMPO

January 18, 1987

SECTION E

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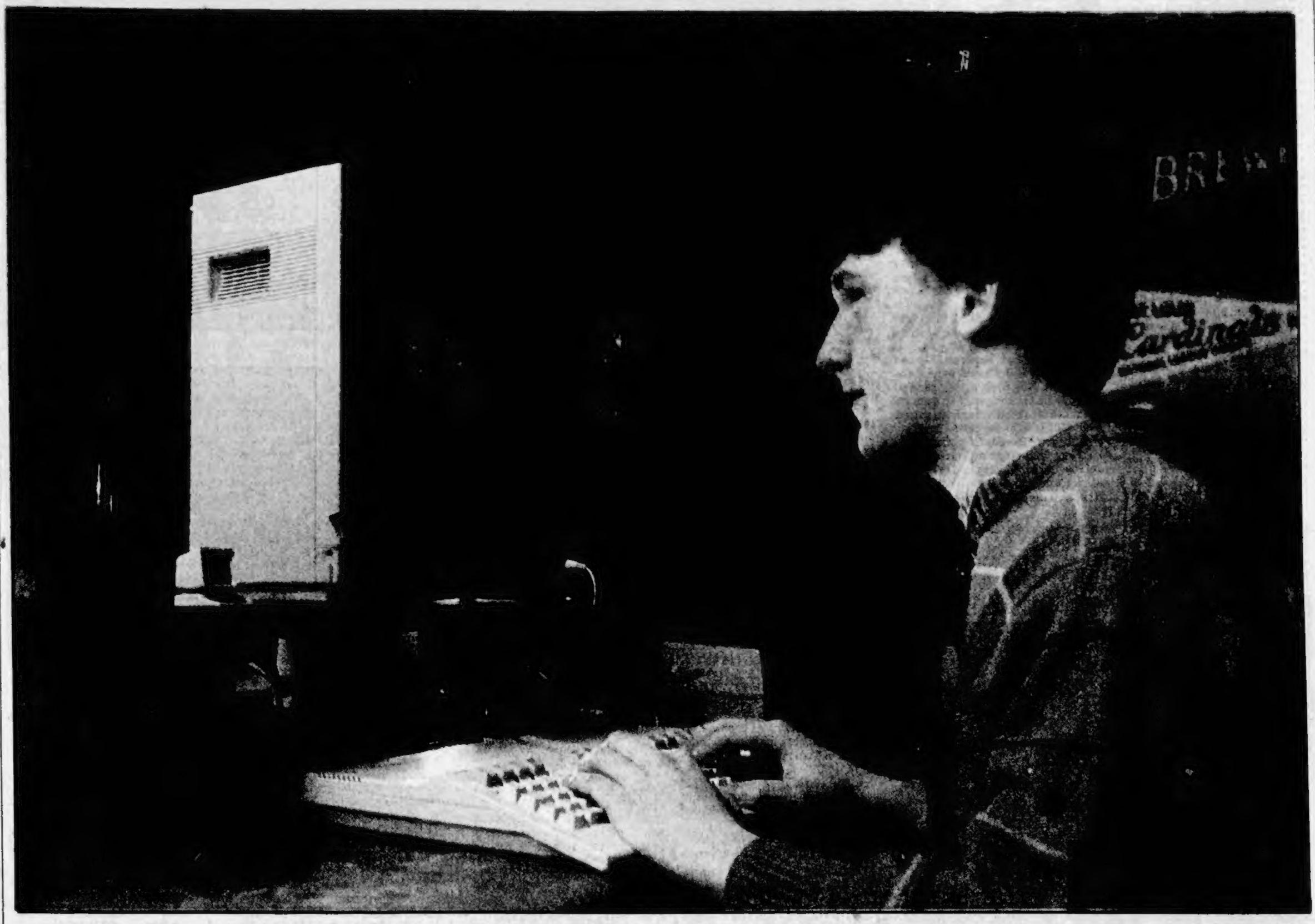


Gary Barr operates a computer bulletin board from his home.

Courier photo by Bill Adkins

HIGH-TECH TALK

By GREGORY WEAVER
Courier staff writer

Want to chat with a stranger without speaking? How about co-writing a story with 50 other would-be authors? Interested in leaving a message without talking to an annoying answering machine?

Computerized bulletin boards offer all of these things and more. All that is needed is a personal computer and a modem — a device that lets computers communicate over telephone lines.

Bulletin boards have been operating in Evansville for about three years. The city's first one closed when the systems operator — or "sysop" — found that the service was time-consuming and too expensive.

But some die-hard computer users in the area have managed to keep at least eight bulletin boards running. And hundreds of people gradually have turned to the bulletin boards for information and conversation.

Bulletin boards sometimes are dismissed as a teenage fad, but Evansville's longest-running one is operated by two men in their 30s.

Brad Callahan and Dave Jenkins of Evansville Connection bulletin board said that most users of their board are teens but their callers over the past 2½ years have ranged from pre-adolescents to retirees.

"There really is something for everyone on these boards," said Callahan, a data processing officer at Old National Bank.

"It's just that teen-agers usually are the first to discover them. They're all part of the computer age. They all know that, and they get on the boards to learn as much about computers as they can."

The "chat" mode is one of the most popular features for users. It allows them to summon the systems operator to his computer keyboard. Then, the caller and sysop can chat by typing messages that are sent simultaneously between their two computers via telephone.

A computer in Gary Barr's bedroom chimes whenever users of his Digicom bulletin board want to chat with him. Because the board operates 24 hours a day, the chimes occasionally wake him.

"That can get on your nerves sometimes," said Barr, a Reitz High School junior. "But for the most part, it's great fun.

"It's a way to meet people and get to know them without ever seeing them or hearing their voice. And that makes it kind of mysterious, adventurous and educational, too."

Jenkins, an engineer at WNIN-Ch. 9, said Evansville Connection users became so curious about one another that they started having an annual summer picnic so they could meet one another face to face.

"That's an enlightening experience.

"By reading notes that a person leaves you on the board, you think you have a feel for what they're like. Then when you meet them, your whole mental image can be blown away," he said.

Telephone numbers for bulletin boards are spread across the country by frequent users and in books such as "The Computer Phone Book" written by Mike Cane.

Consequently, local sysops have gotten calls from people on the East and West coasts. And they occasionally call out-of-state bulletin boards to find new concepts that they might try on their own boards.

Barr has been revising the computer program for his bulletin board since he finished writing it nearly two years ago. He said he always seems to be adding another message base for a special-interest group or finding a new issue on which to poll his users.

One concept that seems to be gaining in popularity among bulletin boards, Barr said, is introducing a story that other users can embellish. His board recently had a "Star Trek" story in which users could determine what would happen next to the characters.

One inconvenience of operating a bulletin board is monitoring it for pranksters who leave off-color messages, the sysops said.

The problem can be solved by denying access to users who leave such messages — an easy process because each board requires a password before allowing a caller full access.

Keith Bobbitt, who operates West Terrace Bulletin Board, said charging users an annual $10 fee also eliminates troublemakers. People tend not to spend money on joining a bulletin board if all they want to do is wreck the service, he said.

Bobbitt, a music and computer teacher at West Terrace School, said his bulletin board is not affiliated with the school. He said he named his service after the school because that's where his interest in bulletin boards was piqued.

Actually, Barr got Bobbitt interested in bulletin boards. Barr attended West Terrace.

As an eighth-grader, Barr frequently talked to Bobbitt about writing a computer program to set up a board. Bobbitt said those conversations persuaded him to buy the computer software to establish the West Terrace Bulletin Board.

"It was something I was interested in and it was something I thought people around here might like to be exposed to," said Bobbitt, 43.

Sixty-four users now pay for his service, which offers the on-line games and program-swapping common among bulletin boards. It also has an on-line magazine produced in Topeka, Kan., that reviews computer software.

"If you have a personal computer and you don't have a modem, you're missing out on a lot," Bobbitt said. "For $30 or so you can get a modem that can bring a whole new world right to your house."

Here is a list of Evansville-area bulletin boards, their telephone numbers and hours:

- **Blue Board**, 476-1482, 10 p.m. Friday to 5 a.m. Saturday and 10 p.m. Saturday to 5 a.m. Sunday.
- **Digicom**, 985-9443, 24 hours a day
- **Dragon's Bane**, 428-4985, 5:30 p.m. to 7:30 a.m. weekdays and 24 hours a day on weekends.
- **Evansville Connection**, 476-9453, 24 hours a day.
- **Midwest Computer Service**, 429-0017, 6 p.m. to 9 a.m. daily.
- **Nightline**, 853-3929, 10 p.m. Friday to 5 a.m. Saturday and 10 p.m. Saturday to 5 a.m. Sunday.
- **Star Base**, 423-4535, 24 hours.
- **West Terrace**, 985-2083, 24 hours.

Case sends 'phreaking' message

Illegal long-distance access codes on bulletin boards carry high price

By GREGORY WEAVER
Courier staff writer

Most computer services are legitimate, authorities agree. But computer enthusiasts say headlines about computer fraud catapult only the illegal ones into public consciousness.

Tony Neal Freels knows about both kinds. He said he enjoyed the camaraderie of talking with other computer tinkerers by way of bulletin boards.

The 20-year-old student at Henderson Community College said he was devastated when he and an acquaintance were prosecuted last year for using pirated long-distance telephone access codes and passing them along to others.

Federal authorities said the illegal codes were distributed via an illegitimate board called "Blue Beard's Den," operated by Freels' acquaintance, W. Christopher Johnston, at his home in Henderson, Ky.

Now Freels and Johnston each have a federal felony conviction after pleading guilty to conspiring to commit wire fraud. And TelaMarketing Communications of Evansville, the long-distance company that suffered from their exploits, has improved security to prevent hackers from breaking into their computer system.

The problem is so widespread that long-distance services have formed the Communications Fraud Control Association, based in Fairfax, Va., to combat it.

Gaston Sigur, a consultant for the association, conceded that computer hackers are not the only cause of telephone fraud. But they are part of a problem that causes long-distance companies in the United States to lose about $500 million annually, he said.

Phil Sheridan, Evansville-area manager for TelaMarketing, estimated that his company lost $125,000 between March 1984 and March 1986 because of the Henderson scam alone.

Communications companies have been "easy prey" for experienced hackers because home computers easily can be programmed to randomly try long-distance access codes and re-call those that work, Sigur said.

But beefed-up security and closer monitoring of calls are making those exploits more difficult, Sheridan said. The sharing of information among members of the fraud control association also has helped, Sigur said.

The practice of making long-distance calls at someone else's expense is known as "phreaking."

FBI agent Robert L. Brannon Jr. said few "phreakers" think it is illegal.

"It's more like a contest or game to them," said Brannon, who investigated the Johnston and Freels case. "They each try to outdo the other's exploits. They want to see who can be the most daring."

Freels said curiosity more than anything else led him to try the illegal access codes.

"If you see that kind of illegal stuff on a board, you're just curious to try it.

"Anybody's going to be curious to try it. But I know from experience that you shouldn't. You may think that nobody's going to get hurt by it, but they do," he said.

The investigation into Henderson hackers is continuing because as many as 70 teen-agers may have used the illegal access codes on Johnston's board before it was shut down by federal authorities in October 1984.

Meanwhile, Brannon said he hopes the prosecution of Johnston and Freels will discourage others.

Johnston declined to be interviewed.

He and Freels were ordered to serve 60-day sentences on work release and make monthly payments to TelaMarketing for the more than $6,000 in illegal calls that they made.

They also were ordered to complete 100 hours of community service and are expected to give court-ordered talks this month to high school students in Henderson and Owensboro, Ky., about the perils of participating in telephone scams, said federal probation officer Ron Smith.

Gary Barr, a 16-year-old Reitz High School junior who operates a bulletin board in Evansville, said the Henderson case has cast a shadow on boards that offer legitimate services and information.

"Just because one board is bad, doesn't mean that all of them are," he said. "But sometimes people think that way."

Brannon said most bulletin boards are legitimate. But computer enthusiasts still should be watchful for boards that offer illegal information, he said.

Freels warned that computer users should be particularly leery of services that offer free access up to a certain level and then ask for a fee to get to the "good stuff."

"Most of the bulletin boards are free, but some of them ask for a $10 fee maybe for higher access," Freels said. "That's something to watch out for because if you're going to find phreaking or something like that, that's probably where it will be."

Freels' probation officer likened bulletins boards to guns or knives.

"They're all powerful tools, and if used correctly, they can helpful," he said. "But if you abuse them, someone is bound to get hurt."

PORTIONS OF THIS PAGE
PRINTED IN COLOR

WEATHER:
Drizzle.
Lighting-up time:
7.4 p.m.
Details—Back Page

Evening Standard

46,415 London: Wednesday October 3 1973 7RR 3p

CLOSING PRICES

Old Bailey story of 'clever men and sophisticated frauds'

'PHONE PHREAKS WHO CALLED UP THE WORLD'

A GROUP of intellectuals, many holding university degrees, evolved a scheme to make telephone calls all over the world at local rates, it was said at the Old Bailey today.

Nineteen men on 48 charges were in the dock as prosecutor Mr Richard Du Cann, gave details of the "phone phreaking."

The fraud, he said, involved 360 group switch centres and it would cost the Post Office £400,000 to prevent it happening again.

The 'cheat' box

"One of the 19 had a silver box called a 'bleep' box but it was in fact a cheat box. It enabled a call to be made at a local rate, roughly 1p for 12 minutes, to almost anywhere in the world. Mr Du Cann said that, for instance, a legal call to the U.S. would cost 50p for 30 seconds.

● Another developed a device which would defeat the Post Office system by allowing him and his fellow conspirators to send signals to Post Office machinery which would act on them, believing them to be sent lawfully.

● At the other end of the scale there was a cheating system which consisted of a 2p piece being attached to a fine piece of thread, thus enabling the caller to make calls from a public box and retrieving the 2p.

● But perhaps "the daddy of them all" said Mr Du Cann, was a multi-frequency simulator, a machine for generating tones on frequencies used on the Australian network in Eastern Europe and some parts of North Africa.

It also enabled contacts to be made in Asia and in North America.

Said Mr Du Cann of the 19 men, who all pleaded not guilty: "Their thoroughness was as painstaking as it was sophisticated."

All of them had considerable training in or experience of telephony and telecommunications.

"Many hold degrees from various universities; two were students at universities; some were very practised on the practical side in this particular field; and two were, or had been employed, employees of the Post Office.

"Intellectually, in this field

Contd. Back Page, Col. 3

The accused

The 19 men are:

Stewart Hallas, 25, senior technical officer, **Brian Barker**, 26, school teacher, both of Gledstanes Road, West Kensington, **Stuart Healy**, 27, electronics engineer, of Putteridge Road, Luton;

Michael Brookfield, 30, optical designer, of Roebuck Court, Stevenage, Herts; **Roger Harris**, 26, development engineer, of Chislehurst Road, Orpington.

Timothy Mason, 21, student, of Kent University, Canterbury; **Anthony Kidson**, 25, assistant executive telephone engineer, of Malyons Road, Lewisham; **William Borland**, 47, civil servant, of Broadoaks Way, Bromley; **Philip Ushley**, 23, student, of London University, of Handsworth Avenue Waltham Forest.

Andrew Marland, 25, a technical adviser, of Estelle Road, Hampstead; **Duncan Campbell**, 21, student, of Brasenose College, Oxford.

Donald Ward, 24 design engineer, of Concordia House, Upper Woolhampton, Reading; **Jan Erikson**, 31 unemployed, of Davenport Road, Shepherds Bush; **Colin McEwan** 25, research engineer, of Briarswood Close, Pound Hill, Surrey.

Robert Hill, 24, electronics engineer, of Old Rectory, Dry Drayton, Cambridgeshire; **George Newsom**, 26, development engineer, of Balmoral Road, Watford, Herts; **Nigel Bevan** 27, computer programmer, of Clare Road, Hounslow.

Brian Drury, 24 electronics technician of Montgomery Street, Hove, and **Martin Shrimpton**, 25, electronics technician, of Cross Way, Harpenden, Herts.

Half million pound Family Martin

By MANNY ROBINSON

FAMILY man extraordinary, Tom Martin, made it today — from a tenement in the Gorbals, Glasgow, via a council house in Thongsley, Huntingdon, to a half-millionaire status with a £568,552 Treble Chance win on Littlewoods Pools.

Britain's latest half-millionaire received his cheque at London's Connaught Rooms this afternoon, from Littlewood's first-ever half-millionaire, Ken Grimes, surrounded by three other half million pound Littlewood's Pools winners—Colin Carruthers, David Griffiths and Jim Wood.

Tom shares his win with nine other members of his family, including his wife, sister Margaret and her husband George Trivett, a machine operator from Peterborough, James, 35, an electrical contractor, and Elizabeth Martin, 32, of St Ives, Huntingdonshire, John, 25, a self-employed heating engineer, and Margaret, 21, of Huntingdon, Tom's mother Mrs Catherine Lynch, and stepfather Bill, who instantly retired from his job as a labourer.

Happy

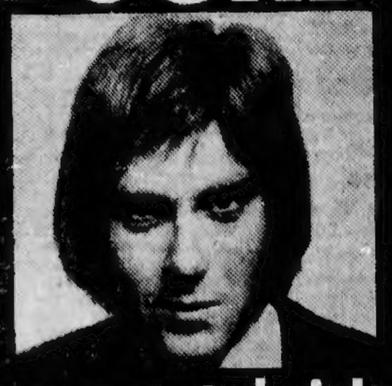
Tom said after receiving the cheque: "We're one great happy family. We've always stuck together. We followed each other down from the Gorbals where six families lived in a five-roomed tenement, to Huntingdon, and we all live within a 15-mile radius of each other.

"All the members of the family send in their stake money to me for the £2·25 perm. My brother and I have been saving secretly to send my parents to Australia to see relatives. Now about 18 of us will go there this winter—we are as close as that."

Evening Standard: Michael Fresco

TOM MARTIN and the £568,552 pools cheque—a change of mind on a wealth tax.

FOUND



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Allison eyes Garner in £200,000 swap deal

DON ROGERS IS CHELSEA TARGET

By PETER BLACKMAN and MICHAEL HART

CHELSEA have opened negotiations for Don Rogers, the 27-year-old Crystal Palace winger rated at around £200,000.

Palace manager Malcolm Allison is keen on a part exchange deal and his target at Chelsea is thought to be 26-year-old former Southend striker Bill Garner.

Chelsea manager Dave Sexton spent 15 minutes with Allison after Palace's dramatic 2—1 defeat by Blackpool.

Immediately after the Sexton-Allison confrontation, the Palace chief said: "There could be three deals by the weekend."

But today Palace chairman Ray Bloye clouded the deal in mystery when he said: "It's just not on. We are looking for players and are certainly not contemplating selling Rogers. He is one of our best players.

Extra training

"If we sold Rogers to Chelsea I would be lynched. We would not swap Rogers for two or three players—we would want the entire Chelsea team."

Allison ordered extra training for the team today and Rogers said on his arrival at Selhurst Park: "I know nothing about a move from Palace."

Chelsea chairman Brian Mears and secretary Tony Green were in Spain today to watch the Real Madrid-Ipswich UEFA Cup tie.

DON ROGERS

Manager Sexton was playing golf, but before leaving his Brighton home this morning he said: "I can't confirm it and I can't deny it. I have no comment to make."

Sexton has been seeking a goal-scoring winger for some time, and he saw Rogers score brilliantly from 22 yards against Blackpool.

He has already inquired for £80,000-rated Southend winger Peter Taylor and Coventry's transfer-listed midfield man Mick McGuire. And in the last fortnight he has signed defenders Derek Jeffries from Manchester City and Roy Barry from Coventry.

Allison sees Garner as a tall target man and Chelsea could also offer any of three transfer listed players—Eire centre-half John Dempsey, 26-year-old John Boyle, currently on loan to Brighton, and former Arsenal striker Tommy Baldwin.

New strike call adds to Chrysler crisis

THE CHRYSLER crisis worsened this afternoon as the electricians' union called on its 200 workers at the company's Linwood plant to strike from Monday.

The strike call came after a quickly-called meeting of the union's national executive, in Blackpool for the Labour Party conference.

Linwood electricians are due to meet on Saturday to hear the strike recommendation from their leaders.

Meanwhile, a new peace bid by the management in the Coventry strike was rebuffed by the electricians' union leader, Mr Frank Chapple.

Alan Johnson writes from Blackpool:

Chrysler representatives are to travel to Blackpool tomorrow to meet union leaders in a last-ditch attempt to save 8000 jobs.

Mr Jack Jones, general secretary of the Transport and General Workers Union, and Mr Hugh Scanlon, engineering union president, agreed to accept the management's invitation to new crisis talks.

But Mr Chapple, who is also attending the Labour Party Conference in Blackpool, said: "I have not been invited, and even if I was, I would not go. The only man who could deal with this is our national officer, Roy Sanderson, and he could not get here."

Phone 'phreaking'

Continued from Page One

all these defendants are men of some stature."

Mr Du Cann went on: "They have used and abused the telephone system both in the United Kingdom and abroad on an increasing and important scale, advancing at the same time not only their own, but other's knowledge of the system.

"For that purpose they exchanged information by letter about highly technical matters indeed."

The alleged conspiracy had been going on from 1968 to October last year, said Mr Du Cann.

The plugging of a detector by Post Office investigators on one of the conspirator's telephones resulted in their eventual arrest.

Mr Du Cann said the correspondence which was exchanged—it was sent out by two of the men from the flat they shared in Gledstanes Road, West Kensington—clearly acknowledged the illegality of their actions.

A document found in the possession of one of the 19 referred to "a fiddle."

They committed a series of offences and those before the court were only specimen ones, said Mr Du Cann.

They were conducting a scientific investigation in the interests of science, they said, but at the same time they were conducting a large-scale fraud against the Post Office by making international calls at local rates.

'The codes'

Of the multi-frequency simulator, Mr Du Cann explained that it emitted a tone of a quality used by some Iron Curtain countries.

"In order to use this on a wide scale, the defendants required confidential and restricted Post Office information," he added.

"It became necessary for them to discover the codes which were used internationally in these systems."

Not all the dishonesty involved outgoing calls.

For instance ,one of the charges against two of the accused alleged that they conspired together and with others dishonestly to use the public telephone system with intent to avoid payment on telephone calls made to the number of their flat in West Kensington.

They attached a device to the bottom of the telephone which had the effect of reducing the electric current which came back, and this in turn was of a considerable benefit to those who were making a call to them.

THE WEATHER

DRIZZLE

FORECAST for this evening: Cloudy, with a little drizzle. From 6 a.m. tomorrow until midnight: Dry, with sunny periods, rather warm, maximum 64 F. (18 C.) Moderate south-easterly wind, becoming light.

OUTLOOK: Continuing dry with sunny spells and above normal temperatures.

CHANNEL: Rather rough, becoming moderate.

LIGHTING-UP TIME: 7.4 p.m. to 6.35 a.m. Moon rises 2.31 p.m., sets 10.16 p.m. Sun rose 7.3 a.m., sets 6.34 p.m.

SHADE TEMPERATURE: 3 p.m., 59 F. (15 C.). Barometer: 1023.0 millibars (30.21in.), steady.

The noon round-up

TEMPERATURES taken at noon today:

		C	F
Amsterdam	cloudy	15	59
Belfast	fair	14	57
Brussels	sunny	18	64
Cardiff	cloudy	15	59
Copenhagen	sunny	18	64
Dublin	cloudy	13	55
Edinburgh	sunny	17	63
Geneva	fair	16	61
Glasgow	sunny	17	63
Jersey	cloudy	15	59
Lisbon	cloudy	15	59
London	drizzle	15	59
Luxembourg	sunny	18	64
Madrid	cloudy	13	55
Majorca	fair	20	68
Malta	sunny	17	81
Moscow	cloudy	9	48
Naples	fair	26	79
Nice	rain	20	68
Oslo	sunny	15	59
Paris	cloudy	16	61
Rome	fair	27	81
Stockholm	sunny	16	61

TV companies battle for World Cup match

By PETER ATKINSON

THE FINAL crunch will come today in the television row over the screening of the vital World Cup match between England and Poland on October 17. But whatever happens, fans can be sure of one thing . . . the game will go out live on TV!

Bill Ward, head of ITV sports, and Brian Cowgill, the BBC's head of Outside Broadcasts, were meeting today to decide which channel would screen this plum match. A decision is expected this afternoon.

The meeting, at the BBC Television Centre at Shepherds Bush, follows yesterday's expected decision by the Football Association and the Football League to allow the game to be shown live.

New situation

Mr Ward will be putting forward the ITV argument that, as they had the exclusive contract to show the highlights, they should also have the exclusive rights to the live game.

Mr Cowgill is pushing the BBC argument that a new situation has arisen following the FA's decision and the match should be put back on the market again.

A third alternative would be for both ITV and BBC to show the game simultaneously.

A spokesman for the BBC said: "We are even prepared to toss a coin to decide who covers it."

"So would we," retorted an ITV man, "if we didn't already have the exclusive rights to screen the highlights."

Bugner's finger may be broken

JOE BUGNER is to have an examination today on the little finger of his right hand, swollen and possibly cracked after his points win over Italian Bepi Ros in their European heavyweight title fight last night.

Bugner damaged his hand in his vain attempt to knock out the iron man.

Walter Bartleman—PAGE 55.

Jockey Seagrave is 'satisfactory'

THE condition of jockey Johnny Seagrave, who is in Nottingham General Hospital, was said today to be "satisfactory."

Seagrave was taken there with back injuries received in a nine-horse pile-up at Nottingham yesterday.

Breakfast may be dearer

THE traditional British breakfast of bacon and eggs could cost more, warned Sir John Stratton, chairman of the British Bacon Curers' Federation, in London today.

He said that without the assurance of fair trading conditions against overseas competitors, or some form of Government intervention, there would be higher prices for bacon.

What a difference a day makes

Same day loans

To Houseowners

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POP STAR JAILED

Traffic pop group musician Anthony Baah bit a taxi driver's ear after he refused to accept him as a fare, Marlborough Street court heard today.

Proclaiming himself as a "marbre for my people" the coloured lead guitarist kicked and punched two police officers as they tried to put him in van. Imposing month's prison sentence on him magistrate Mr John Hooper said: "I want it understood anyone regardless of their colour who kicks and punches police officers can expect to go to prison."

Baah of Kings Road, Chelsea, who pleaded guilty to three charges of assault causing actual bodily harm was said to have one previous conviction for causing bodily harm. He was jailed for one month concurrently for each of the assaults on the officers and fined £20 for assaulting driver.

AMERICANS BUY MARIE'S BOTTLES

Two American bidders at Sotheby's auction today paid £120 and £115 for two little bottles of history—containing perfumes which once belonged to Marie Antoinette.

BOMB KILLS SOLDIER IN LONDONDERRY

Soldier killed and another badly injured in explosion at Londonderry Army camp this afternoon.

First reports suggested that parcel bomb lobbed into Bligh's Lane post and that both soldiers were officers.

Injured man lost a hand and had serious facial injuries. Launched investigation into how bomber was able to get deadly parcel into heavily guarded post which lies between former no-go areas of Bogside and Creggan.

3.35 NWT.—Tote: Win £1·35, pos 47p, 2as, 79p.

4.15 PONTEFRACT. Off 4.31

Board-room 1
Trance 2
Vic E's Rose 3
Book: 14-1 10-1 10-1. 21 ran.

4.30 LUDLOW. Off 4.30

Mannix 1
Tamandare 2
Lary Grey 3
Book: 11-8F 6-1. 7-1. 12 ran.

4.35 NEWMARKET. off 4.33

Kafka 1
Joe's Jet 2
Arantan 3
Book: 8-1. 12-1. 11-2. 14 ran.

POLICEMAN CLEARED OF ATTACK ON GIRL

Scotland Yard detective-sergeant acquitted today of attempted rape of girl clerical officer at Yard. Gordon Maxwell Bartlett, 46, also found not guilty at Old Bailey of indecently assaulting girl and assaulting her causing bodily harm.

JACKLIN LOSES MASTERS LEAD

(See Page 54)

Leader Board: G Marsh 18—3; T Jacklin 18—2; B Charles 18—1; D Swaelens 18—1.

BOMB KILLS SOLDIER

(See above)

Soldier may have been first murder victim of Ulster letter bomb campaign.

He died shortly after a package delivered to Bligh's Lane.

4.30 LUN.—Tote: Win 19p; pos 13p, 21p, 19p.

Daily Treble: £8·00.

4.45 PONTEFRACT. Off 4.55

Wonddition 1
Mak-Amends 2
Peppercorn 3
Book: 7-2. 5-1. 11-4 co-F. 7 ran.

FOR [illegible], CALL MADELINE JERNIGAN AT 461-2054

CLUB NEWS

AARP Chapter 446

The American Association of Retired Persons, Chapter 446 board of directors will meet at 10 a.m. Feb. 17 at the Fort Pierce Community Center, 600 N. Indian River Drive, Fort Pierce.

Social hour will be from noon to 1 p.m. Various games will be played until 3 p.m. Dues will be collected throughout the day. For more information, call 467-0939.

Alliance for the Mentally Ill

The club will have a program meeting at 7 p.m. Tuesday at Indian River Presbyterian Church, 2499 Virginia Ave., Fort Pierce. The guest speaker will be Jean Spivey, supervisor of the Mental Health Division at the Fort Pierce Court House. She will speak about the Baker Act, substance abuse and incapacity. A question-and-answer period will follow. For more information, call 340-0823.

American Association of University Women

The club will have a book/author luncheon Feb. 21 to benefit the local scholarship and Educational Foundation. Social hour at 11 a.m. will provide an opportunity to buy and have the books autographed by three dynamic authors; Edna Buchanan, former police beat reporter of the Miami Herald and Pulitzer Prize winner, author of "Miami: It's Murder;" Jonnie Williams of Indiantown who has written of her adventures while sailing the Caribbean and included recipes for island foods; and Palm City businessman Stephen Littauer who shares his financial expertise in "How To Buy Mutual Funds The Smart Way." The luncheon will be at noon and will be followed by the awarding of door prizes and a Chinese raffle. For more information, call 223-0008.

American Business Women's Association

The Dutchess Charter Chapter will meet at 6 p.m. Feb. 17 at Fantastic Affairs, 3223 S. U.S. 1, Fort Pierce. The guest speaker will be Dr. Jeanne Sloan, chairwoman of New Horizon's Children's Crisis Stabilization Unit Task Force. If interested in attending, call Elaine Raulerson at 461-2414 or Jerrie Moore at 465-2663.

Capron Trail Garden Circle

The club will meet at noon Thursday at the Garden Center, 911 Parkway Drive, Fort Pierce. The program "Wildflowers In Our Area" will be presented by Dr. John Brolmann.

Members are asked to bring a flower arrangement of fresh material in a crescent design for exhibit; or a wildflower specimen for horticulture.

Members should also bring a sandwich. Coffee and dessert will be provided.

Florida Irish American Association Inc.

The club will meet at 7:45 p.m. Tuesday in the south room of the Vero Beach Community Center. Installation of new members will take place. Plans for the St. Patrick's Day Parade will be discussed.

The parade is scheduled from 3 to 5 p.m. [illegible]. It will form at 2:30 [illegible] area north of [illegible] Field, across [illegible] Vero Beach [illegible]. They will proceed [illegible] North to the [illegible] Train station; then [illegible] 25th Street. If interested [illegible] participating, call Bob Wils[illegible]

The members of the Florida Irish Amer[illegible] Association Inc. have invited [illegible] Vero Beach Shrine Club [illegible] join them in a regular [illegible] Out at Beth Creek at [illegible] after the parade. Price is $[illegible] each. Tickets are available at the door of Bethel Creek House. For more information, call 562-[illegible]

Fort Pierce Business and Professional Women's Club

The club will have the final workshop meeting for the fashion show at [illegible] Monday at Hoyt C. Murphy Real Estate Office, 221 [illegible] Drive, Fort Pierce. The fashion show will be at noon Feb. 19 at the Pelican Yacht Club, 1120 Seaway Drive, South Hutchinson Island, Fort Pierce. There will be various fashions, and door prizes. Proceeds will benefit the Displaced Homemaker Scholarships and many other community services. The models for the show will be Diana Wilder, Patricia "Pat" Alley, Melinda Rhodes, Judy Kanthock, Leta Cheyborough Brown, Colleen Tovey, Carol Kirkland, Ann Varnadore and Peggy Haluska. Tickets are $15 and can be purchased by calling 464-7451, 461-1324 or [illegible]

The club was organized in 1926 and has accomplished many benefits for the working woman. The club is open to anyone — men or women — that believes in the policies and rules of the organization. We are an international organization with over 6,000 members in Florida.

Fort Pierce Elkettes 1520

The club will meet at 8 p.m. Tuesday at the Elks Lodge. Hospitality hostess is Terry Helbach. For more information, call 466-1730.

Fort Pierce Sunrise Rotary Club

The club will meet at 7 a.m. Wednesday at Scotty' Gray Gull Restaurant, Fort Pierce. Officers for 1993-94 are Mike Baumgardner, president; Cheryl Jacquin, vice-president; Pat Alley, secretary; and Rod Cardiff, treasurer.

There will be a 5-K Walk Run sponsored by the Fort Pierce Sunrise Rotary Club on March 12 at the Dale Cassens School. For more details, call 465-4100 or 464-1112.

Lioness Club of Port St. Lucie

The club will have a dessert luncheon card party at 12:30 p.m. Feb. 17 at the Port St. Lucie Community Center, 200 Prima Vista Blvd., Port St. Lucie. Donation is $3.50. Tickets will be available at the door. For reservations, call 878-2948. Bring your own cards.

MARSP

The Treasure Coast Chapter of the Michigan Association of Retired School Personnel will meet at 9:30 a.m. Feb. 18 at the Holiday Inn, 10120 South U.S. 1, Port St. Lucie. Bonnie Carpenter will be the speaker. Lunch will be served at noon following the speakers presentation. For reservations call Del Crisp at 287-6137. Price is $9.

NARFE

The National Association of Retired Federal Employees is scheduled to meet Feb. 21 at the Port St. Lucie Community Center, 200 S.W. Prima Vista Blvd., Port St. Lucie. The scheduled speaker is Pam Hilton, a representative of H&R Block. Refreshments will be served at 1:30 p.m. and the meeting is scheduled to start at 2 p.m. All Retired Federal Employees and spouses are welcome. For more information call 335-9112 or 335-2226.

Palm Vista Garden Circle

The club will meet at 9:30 a.m. Wednesday at the Garden Center, 911 Parkway Drive, Fort Pierce. The program "Herbs" will be presented by Dorothy Hewitt.

Artistic arrangements should be Japanese Style. Members are asked to bring a potted plant for "Horticulture." Hostesses will be Edna Victor, Marge Oliver and Dot Kinsey. For information, call 466-1730.

Pilot Club

The Pilot Club of St. Lucie County will have a luncheon program meeting at noon Thursday at Abbiejean Russell Care Center, 700 S. 29th Street, Fort Pierce. The event will start at noon. The guest speaker will be Danny Dye, of the Florida Diagnostic and Learning Resources Center. Final plans will be made for the Very Special Arts program to be at the St. Lucie County Civic Center on March 2. Attending the program that day will be disabled students from Indian River, Martin, Okeechobee and St. Lucie counties. Club members are reminded to bring supplies for this event. For more information, call 464-0506.

Port St. Lucie Lions Club

The club will have a dance at the Polish American Club from 8 p.m. to midnight Feb. 25. There will be live music. Tickets are available from any club member or at the door for $5 per adult. All proceeds will go the Sight-First campaign.

Rio Lindo Garden Club

The club will meet at 12:30 p.m. Feb. 28 at the Indian River Community College, 200 S.W. Prima Vista Blvd., Port St. Lucie. There will be a Metal Sculpture workshop from 10 a.m. to noon Monday and a program on "Birds and Beasts." For more information, call 335-9028 or 335-7202.

Welcome Wagon Alumnae

The club will host a dessert card party at 12:30 p.m. Wednesday at the Lakewood Park Village Hall. Tickets are $2. For more information and tickets, call Jeanne Wolfe at 465-3816.

Womans Club of Fort Pierce

Peggy Jannetti, chairman of the conservation department, will host a covered dish luncheon at 2 p.m. Monday. Glen Machester and Sheila Hayes, members of the Treasure Coast Bonsai Society will demonstrate the art and techniques of the bonsai and will have their own display of bonsai.

The board of directors is scheduled to meet at 11 a.m.

The club is at 2505 S. 29th Street, Fort Pierce.

Valentines can be unique without being too weird

Leslie Barker
DALLAS MORNING NEWS

Have a heart.

A big heart, filled with candy. A medium-sized heart, sprinkled on boxer shorts and bobby socks. A tiny heart, dangled from a chain or attached to ear lobes.

Constructed of chocolate or gold, diamonds, dough or paper, hearts are to February what turkeys are to November: compulsory, ubiquitous and marketed weeks before the holiday with which they're associated.

Well, Valentine's Day is Monday. And the only cards left on store shelves seem to be for favorite postal carriers or that special second cousin. What remain of heart-covered boxer shorts are either too small or too large.

Candy's a good bet, if your beloved likes chocolates filled with mushy, pastel-colored centers or sugared hearts stamped with such endearments as "OU Kid" or "Let's Kiss." If you'd planned a little early, you could have ordered Bat Bites — bat-shaped chocolates with peanut-butter ears marketed by the American Bat Conservation Society.

But you didn't. Maybe next year. Meanwhile, here are some ways to be unique without being downright weird.

■ The phone rings and when your Valentine answers it, he/she hears Stevie Wonder singing "I Just Called to Say I Love You," followed by a recorded message from you. That song is the No. 1 choice of callers to Send-A-Song, a personalized message company. But, in case that song makes you want to hang up, 200 other selections are available.

To send a song to be sung in the next five minutes or six months from now, call 1-800-SEND-A-SONG. Cost is $9.95 and $19.95 for three songs, sent anywhere in the continental United States.

■ OK, so your valentine loves "I Just Called to Say I Love You." Or that other time-honored favorite, "Just the Way You Are."

If so, you can send a Deco Disc — a greeting card that includes a compact disc that plays the latter or one of two other songs. Each costs $6, including postage and handling. They can be ordered by calling (212) 563-6363.

■ Bookstores are always good places to find last-minute, from-the-heart gifts. If your sweetheart isn't the sonnet type, perhaps he or she would like something more practical. Namely, "365 Ways to Kiss Your Love" (The Summit Group, $9.95).

Written by Tomima Edmark — who made a fortune selling the plastic gizmo called TopsyTail — the book does indeed offer 365 lip tips. Here are a couple to whet your palate:

No. 284 — "Count how many teeth your love has, using your tongue." And No. 286 — "Burrow your nose and mouth into the nape of your love's neck and snort like a pig."

You get the idea.

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Advertising Supplement to JACKSON CLARION-LEDGER HATTIESBURG AMERICAN 12642 05/14/95

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Sit back and wait to hear how wonderful you are!

Mother's Day Song Selections

Artist	Title	Song#
Always on My Mind	Willie Nelson	7008
Have I Told You Lately (That I Love You)	Rod Stewart	2078
I Had to Say I Love You in a Song	Jim Croce	2004
I Just Called to Say I Love You	Stevie Wonder	2001
I'll Always Love My Mama	The Intruders	7809
I Will Always Love You	Whitney Houston	2099
Mama	Jerry Vale	7807
Miss You Like Crazy	Natalie Cole	7005
Thank You for Being a Friend	Andrew Gold	3001
Through the Years	Kenny Rogers	2031
Unforgettable	Nat King Cole	2042
We Are Family	Sister Sledge	7801
Wind Beneath My Wings	Bette Midler	2061
You Are My Sunshine	Jimmy Davis	7707
You Are So Beautiful	Joe Cocker	2017
You Are the Sunshine of My Life	Stevie Wonder	2002
You Light Up My Life	Debbie Boone	2062
You're the Best Thing That Ever Happened to Me	Gladys Knight	2509
You're the Top	Ella Fitzgerald	3010

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Happy Birthday To You	Bing Crosby	1101
You Say It's Your Birthday	Beatles	1106

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'Little blue box'

Secret tapes of special pitches will give free calls

NEW YORK — "The Little Blue Box," a device that places the entire telephone system of the world—satellites, cables and all—at the service of its operator, free of charge, is the subject of a revealing article published in Esquire magazine today.

The blue box as pictured in the magazine, looks like a tiny portable radio, is small enough to fit in the palm of your hand, and is not necessarily blue. They have come to be called blue boxes, says Village Voice reporter Ron Rosenbaum, either because those confiscated by the telephone company happened to be blue or to distinguish them from "black boxes," which are devices which allow incoming calls to be made without charge to the caller. The boxes have twelve buttons on the front and one on top.

Each of the buttons reproduces an electronic sound—a beep—that the phone company's own equipment makes. Essentially, it gives its operator the power of a super operator, a phone phreak revealed to Rosenbaum. You can control the phone company's long-distance switching system from your own Princess phone or any old pay phone. How does it work?

The Esquire article cites this explanation:

"About twenty years ago A.T.&T. made a multibillion-dollar decision to operate its entire long distance switching system on twelve electronically generated combinations of six master tones. They decided to use very simple tones—the tone for each number is just two fixed single-frequency tones played simultaneously to create a certain frequency."

The frequencies became public knowledge when a Bell Telephone Laboratories engineer published an article in a technical journal which listed actual frequencies used to create all multi-frequency tones, the article reports.

The tones, Rosenbaum explains in the magazine article, are the sounds you hear in the background, sometimes, after you've dialed a long-distance number, and are not the same tones you hear in touch-tone phones. Phone phreaks believe, says Rosenbaum, that A.T.&T. deliberately equipped touch tone phones with a different set of frequencies to avoid putting the six master tones in the hands of every touch-tone owner.

The tones, then, according to the article, simply have to be reproduced and fed to the phone company's equipment through any toll-free long distance number, such as the 800 numbers used by a number of hotels, airlines and credit card companies. The original phone phreak was a blind kid with perfect pitch, says Rosenbaum, who used to whistle into the phone.

"An operator could tell the difference between his whistle and the phone company's electronic tone generator, but the phone company's switching circuit can't tell them apart." Since frequencies are public knowledge, one has only to find the musical notes which correspond to the phone tones.

"Any cheap family home-entertainment organ will do," said one phone phreak, who also disclosed that the whole list of notes as well as the frequencies is now in circulation in the underground phone phreak network. The network, he said, can even provide cassettes with all the tones recorded, so with two cassette recorders anyone can put together a series of phone numbers and can make all the free calls he wants.

"The bigger the phone company gets and the further away from human operators it gets, the more vulnerable it becomes to all sorts of phone phreaking," said one of them in Esquire. The article also reported the opinion that the recent series of blue-box arrests only mean that "an awful lot of blue boxes are flooding into the country and that people are finding them so easy to make that they know how to make them before they know how to use them."

And, if a blue-box operator sticks to pay phones and 800 numbers, the phone company can't stop them. "Not unless they change their entire nationwide longlines technology, which will take them a few billion dollars and twenty years. Right now they can't do a thing."

Quality and service prime battle area for car sales

DETROIT — While the nation's new economic policies have done much to reduce the price advantages of import cars, the real competitive battle still remains in the sector of quality and service, according to the president of American Motors.

Speaking to 350 supplier representatives on the importance of quality to American Motors' newly introduced Buyer Protection Plan, William V. Luneburg said:

"Call it myth, mystique or whatever, it is a very real fact that all too many buyers believe that in some way the foreign products offer better quality and value—and it would be foolish to assume that the surcharge on import cars and even currency revaluation will in themselves solve the imported car threat.

"It is difficult to change an entrenched idea, but the U.S. auto industry must meet the challenge of convincing the car buyer that he would be smarter to buy a domestic product with its better value and assurance that someone cares about any problems he may have after delivery. The answer to winning consumer confidence is performance and action—not in clever advertising or carefully worded warranties."

Although American Motors has intensified its factory quality procedures in support of its Buyer Protection Plan for '72 customers, it is the assurance that the company will make good on any factory defect in material or workmanship that is of main interest to the consumers surveyed in putting the plan together, Luneburg said.

"We found that few people actually expect to receive a perfect car, but they want protection against the cost and inconvenience of getting something fixed that is not their fault, which is what our Buyer Protection Plan is designed to do," he said.

"While I do not discount the value of more equitable treatment between domestic and import cars on the matter of price, I believe we will not get the upper hand in the market place until domestic producers have demonstrated in a very convincing fashion that the U.S.-built car is a better buy," he said.

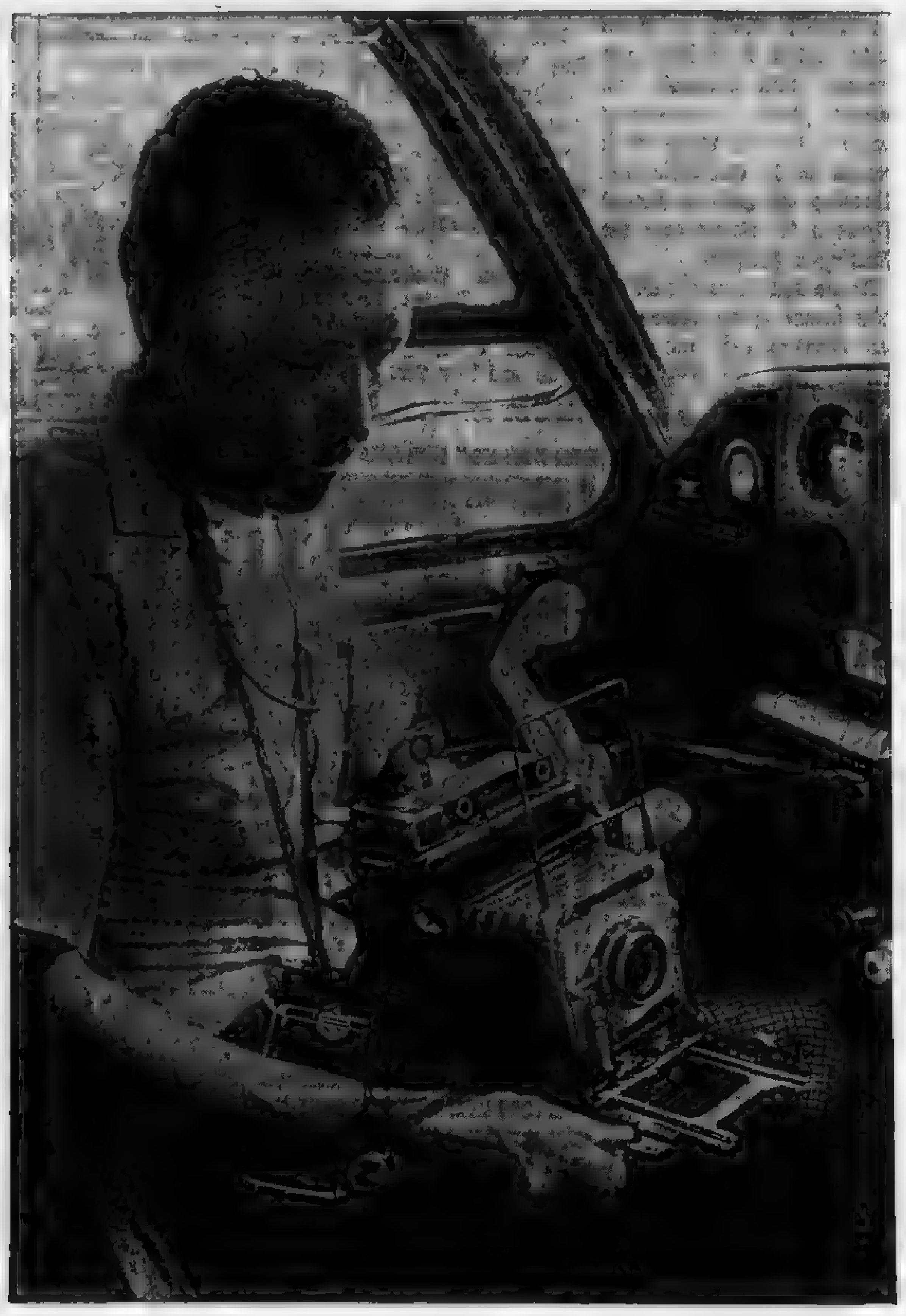
"This means we must not only deliver better quality cars, but also meet customer expectations by giving them solid and real protection against undetected product defects for a reasonable period," he said.

Professional engineers meeting at Burlington

The Southeast Chapter, which includes Kenosha and Racine, is hosting the 1971 Fall Conference of the Wisconsin Society of Professional Engineers which opened this morning in Burlington. The conference will continue through tomorrow.

At the meeting at Brown's Lake Resort, a special civic affairs workshop got underway this afternoon on community problems. Guiding the workshop were Leonard Artz, director of public and community relations of the National Society of Professional Engineers; Thomas G. Frangos, administrator of the division of environmental protection of the Wisconsin Department of Natural Resources and William C. Dries, president of a Madison consulting engineering firm.

Ed Johnson, executive director of the League of Wisconsin Municipalities will challenge engineers to apply their technical training and problem solving talents to community needs during a Saturday luncheon.



Bill Anderson examines two cameras used by Ande Air, a new aerial photography company. The Kenosha-based company hopes to serve customers within a 400-mile radius. — (Kenosha News photo by Norbert Bybee)

Aerial photo company offers service locally

The photographic technique used by Ande Air, P.O. Box 189, a new aerial photography company, has been being perfected for two years. Using color and black-and-white infra-red film, the oblique shots will indicate a variety of conditions, depending on the need of the company. Pollution and diseased plant detection are two uses of the service.

Airplanes used by Ande Air are a Beechcraft Bonanza and a Cessna 140. Bill Anderson, originator, has been flying since 1943. He served in World War Two as an Army Air Force pilot and has logged several thousand flying hours in instrument-rated aircraft.

Cameras are used in accordance to the requirements of the assignment. They range from 35 mm to 4 inch by 5 inch negative requirement.

The company hopes to provide its services to business and industries within a radius of 400 miles. With the rapid rate of growth and development in this area, the company feels that the demand for this type of aerial photography is on the increase.

Marketing chiefs meet

W. B. Stanley, Jr., a financial marketing specialist and winner of the Sales and Marketing Executives Distinguished Salesman's Award, 1970, will address the initial fall meeting of the Sales and Marketing Executives of Racine-Kenosha, according to A. E. Peyer, SME president. The meeting will be held Monday, Sept. 20, 6 p.m. at the Clayton House.

Stanley, of Standard Register Company, Atlanta, Georgia, will speak on a new approach to business motivation, Peyer said. It is the first of a series of ten programs on sales and marketing management problems slated for this year.

Sales and Marketing Executives of Racine-Kenosha is a seventy-five member organization of men who direct the marketing and sales activities or departments of their companies. The club meets the third Monday of the month with the purposes of generally advancing sales management and educating members in good selling practices, promition of ethical standards, interchange of ideas and the improvement of general public acceptance of the selling profession.

Kenosha business

Offers free Coke glasses

Because public interest in collecting antiques seems high, Yankee Doodle restaurants, including the Kenosha outlet on 75th St. managed by Robert E. Brock, are offering free Coke glasses during this month. These fountain glasses first made their appearance in 1886 and assumed its well-known flared form in 1899. It is available free with the purchase of a burger.

* * *

Attends Advisory Board meeting

Mrs. Ethel Six and Martin Pilger, both of Kenosha, attended the semiannual meeting of the American Automobile Association's Wisconsin Division Advisory Board at Eagle Waters Resort recently.

* * *

Attends construction seminar

Raymond Camosy, Camosy Construction Co., recently attended a five day seminar and Construction Management Workshop in Raleigh, N. C. It was filled as the first seminar uniquely programmed for youth ever held in the field of construction. It included comments on financial and personal management as well as basic pricing and estimating exercises.

* * *

Named assistant controller

Brian A. Guilliom has been named assistant controller, general office, for Dietary Products division of American Hospital Supply Corp. of McGaw Park, Ill. The post will include accounting systems, procedures and controls. Guilliom, his wife, Diane, and their children, Blair, Heather and Gregory, presently reside at 62205 64th St., Kenosha.

* * *

Now a Kentucky Colonel

Ken Monroe, local Kentucky Fried Chicken franchisee, was awarded his "degree" as a full-fledged Kentucky Colonel during ceremonies recently in Louisville, Ky. Monroe operates six Kentucky Fried Chicken stores in the Kenosha area and one H. Salt, Esq. Fish & Chips store.

* * *

Elected an assistant treasurer

Carthage College graduate J. Donald Roland has been named the assistant treasurer of the Ansul Co. of Marinette, Wis. At present he is corporate accounting manager.

* * *

Complete tire specialty course

Darwin Fish, Nate Cucciare, Carl A. Adam, and Richard A. Maksen have recently completed Montgomery Ward's Master Tire Specialist course, considered by the company to be one of the most comprehensive in the tire industry. The training qualifies them as experts in helping motorists select the proper tires on the make of car and type of driving they do.

FINANCE & INDUSTRY

Noon quotations

Provided by United Press International
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Abb Lab 63½	Ford Mtrs 70½	Oak 11
Admiral 16¾	Fruehauf 39⅛	Olin Corp 20½
AlldChem 33⅛	Gen Dyna 20⅝	Outbd M 39¼
Alld Strs 34⅝	Gen El 63	Owens-Ill 54¾
Allis Chal 13½	Gen Fds 37¾	Pan Am 10⅞
Alcoa 51⅜	Gen Mtrs 85⅛	Penney 72⅜
Am Air 36	Gen Tel 30¾	Penn Cen 6½
Am Brands 44⅜	Gen Tire 27	Peoples GL&C 32
Am Can 33⅛	Goodrich 34⅛	Pepsi Cola 63⅛
Am Cyan 35⅝	Goodyear 33⅛	Pfizer 40⅝
AmElPwr 26¼	Greyhnd 23⅝	Phil Pet 31¼
Am Hosp Sup 38½	Gulf Oil 28⅛	Polaroid 102⅞
AM MTRS 7¾	High Voltage 12	Procter G 72⅞
Am T&T 43	Ill Pwr 35⅝	RCA 32¼
Amsted 41½	Inland Stl 30½	Rep Stl 24⅛
Anaconda 15⅜	IBM 300½	Revlon 65
Arlans 6½	Int Harv 28⅛	Russeks 2⅝
Atl Rich 72⅝	Int Nick 32½	Safeway 35⅝
Avco 17⅝	Int Paper 34	St. Regis 32¾
Bea Fds 40¾	Int T&T 56⅜	SanFeInd 31⅞
Bec Dic 35⅝	Iowa P&L 23⅛	Sears 94
Bendix 43½	Johns-Mn 40¾	Servomation 39
Beth Stl 25¼	Jupiter 8	Shell Oil 46¾
Boeing 15¾	Kaiser Ind 10½	Simmons 34½
Borden 29¾	Kennecott 31¼	So Pac 45
Brunswick 34⅞	Kerr McGee 144¾	Sperry 30¼
Budd 13⅜	Kresge 96	Std Bds 43⅞
Catplr 55⅝	Kroger 31	SO Ind 66¾
Celanese 78¾	Lib McN 7⅞	SO NJ 72¼
Cessna 23¼	Lionel 5¼	Stvns JP 28⅜
Chrysler 30⅜	Litton 26¾	Stud 57½
Cities Svc 44⅞	Lockhd 10⅝	Swift 43
Coca Cola 107	Magellan Pet 4¼	Texaco 32½
Colum Gas 33¼	Marcor 34¼	Tex G Sul 15⅝
Comm Ed 35¾	Martin Mari 20¼	Tex Inst 113¾
Comsat 64⅛	Mar Oil 37¼	Un Carb 48½
Cons Ed 25⅛	Maytag 38	Un El 18¾
Continental Air 16¾	Mc Don Corp 64⅛	Utd Corp 8¼
Cont Can 37¼	McD Dgls 27⅞	US Gyps 68¾
Cont Oil 31	Merck 113½	US Stl 30
Curtis Wright 11¼	Microwave 33¼	West Un 44½
Deere 49½	Minn Min 120⅜	Wstghs El 92⅞
Du Pont 154⅞	Mobil Oil 50¼	Weyerh 53⅝
Eastman 86	Monsanto 49⅜	Wickes 49¾
Eaton Mfg 43⅞	Nat Bis 51½	Wis Elec Pwr 21⅛
EG & G Corp 22¾	Nat Dist 15⅝	Woolwrth 52½
Falstaff 6⅛	Nat Steel 41	Xerox 117¼
Firestone 55	NoAmn R 28¾	Zenith 50⅞

Snap-on	Bid 69	Ask 70½
Western Pr	Bid 19¾	Ask 20¼

NEW YORK (UPI)—Traders moved prices slightly higher in moderate trading on the New York Stock Exchange Friday.

Shortly before the noon hour advances topped declines, 605 to 423, with 1,419 issues traded. The Dow Jones industrial average was ahead 3.21 to 906.32. Standard & Poor's 500-stock index picked up 0.24 to 99.90.

Prices on the American Stock Exchange also were higher, with 360 advances and 218 declines among 841 issues traded.

American Motors on the New York Exchange dropped ⅛ yesterday when trading of 11,300 shares produced a high of 7⅞ and a low of 7⅝ and a closing price of 7⅝.

Livestock and Produce Prices

JOLIET LIVESTOCK

Cattle 725; no prime steers or heifers; all other classes steers and heifers 25-50 higher; slaughter steers high choice and prime 35.00-36.25; choice 33.00-35.00; good and choice 31.50-33.00; good 29.25-31.50; slaughter heifers high choice and prime 33.00-33.50; choice 31.50-33.00; good 29.00-31.50; canner and cutter cows 18.50-21.50.

Monday estimated cattle receipts 4,000.

MILWAUKEE GRAIN

Corn: 7 received, 5 inspected, Rail 1.06-1.14. Truck 1.04.

Oats: 0 received, 0 inspected. No. 2 rail 67.

Barley: 18 received and 2 inspected.

Wheat: 0 received, 0 inspected. No. 2 yellow rail 1.37½. Truck 1.38½.

Soybeans: 3 received, 12 inspected. Rail 3.00½. Truck 1.28½.

MILWAUKEE LIVESTOCK

Cattle: 250. Steady. Good-choice steers 28.00-33.50. Good-choice heifers 25.00-31.50. Holstein steers 27.50-29.00. Standard to low-good steers and heifers 24.00-27.00. Commercial dairy heifers 23.00-25.00. Utility 20.00-23.50. Common bulls 23.00-26.00. Canner-cutter 19.00-24.00. Commerical bulls 22.00-23.50.

Calves: 50. Steady. Choice 52.00-54.00. Good 44.00-52.00. Common 36.00-44.00. Culls 36.00 and down.

Hogs: 150. Steady-.25 higher. Lightweight butchers 18.75-19.25. Heavyweight butchers 17.80-18.75. Lightweight sows 14.75-16.75. Heavyweight sows 13.75-14.75. Boars 13.00 and down.

Sheep and lambs: 25. Steady. Good-choice 20.00-25.00. Common and utility 18.00-20.00. Culls 14.00-18.00. Bucks and ewes 3.00-5.00.

CHICAGO PRODUCE

Cheese: Processed loaf 59½-66¼; brick 59¾-70¼; single daisies 63¼-70; Swiss blocks 80-100 lb. Grade A 70½-76½. B 68¼-74½.

To describe success of Amway sales

A "success rally" will be conducted in Racine's Memorial Hall beginning at 8 p.m. Saturday, September 25th, according to William and Pearl Lattos, local director distributors for Amway products.

Guest speakers are Mr. and Mrs. Robert Kodzis of Saugus, Mass. known to Amway sales representaaives as Diamond Distributors because they supervise six direct distributors with a sales organization which now covers almost all 50 states and Canada.

Billed as an "entertaining and inspiring speaker," Kodzis is expected to describe how becoming involved in the Amway program changed his life from "business failures to business success." Special Amway oriented music will be provided by a choral group of Amway distributors called "The Nat Olson Singers."

HARRIET VAN HORNE

Business underground

NEW YORK — In a society of stone and steel, dedicated to maximum profits and minimal sharing, the hoard of human bliss tends to be small. Even dreams lose their sweetness.

"Maybe we've all got terminal paranoia," says a philosophical friend. Maybe so. It could be owing to a loss of autonomy. We're no longer masters of our fate.

The seats of power have grown mightier and more remote. We don't "feel free," as we once did. Walls, we know, now have ears. Dissent is treason. Conformity is beautiful.

There may be no greater frustration than that rising from the average man's impotence in the toils of a system that levels all. All men equal. All hollow, all drab, all mute and fully automated for the appointed task. If there are cries of pain, the corporate corridors — spiked at the gates but push underfoot — muffle every plea.

But historically, the outcry for justice and decency finally becomes a chorus. This explains a new American phenomenon — the corporate underground.

This underground, according to a long and heartening essay in The Nation, is staffed by rebels in gray flannel suits. Their bosses would say they've been "Naderized" and no doubt they have. So grows our debt to Ralph Nader.

* * *

This new "employee power" takes many forms, writes Timothy Ingram. Some workers "are engaged in quiet, personal protest against company policies." Others are on-the-job conscientious objectors. They refuse to do things they consider unethical, no matter how enriching for the business. Some spill secrets to the press or to consumer groups, alerting them to faulty products or false labels.

It would be easy to dismiss the corporate underground as just one more manifestation of unrest at the grass roots. Certainly we are experiencing a crisis of authority. Dissent and desertion are a major problem in the armed forces. Prison riots are becoming commonplace. And discipline is said to have broken down altogether in many city schools.

But the employee unrest described by Mr. Ingram is altogether different. It's a protestant movement. It's high-minded and it involves, one imagines, workers gifted with restless, creative spirits. That is, the talented people who could become, were the system open and humane, positive assets in the corporate structure.

A certain justice would seem to be on the side of the Polaroid workers' revolutionary movement, which has demanded that the company cease all business with the racist Union of South Africa. Women workers are increasingly active in resisting sex discrimination. Libby-Owens, for example, was taken to court by angry women who wanted equal work benefits — and the women won.

Perhaps the most interesting development in the corporate underground is the clandestine newspaper. In San Francisco, we read in The Nation, an eight-page "AT&T Express" is distributed periodically to employees of Pacific Telephone and Telegraph. The paper explores problems of racism, job safety, employee privacy ("Big Mama" Bell is a sneak, always spying) and public service.

Besides exposing questionable policies within the company, the AT&T Express let it be known that AT&T last year overcharged subscribers by $100 million. This amounts to an average overbilling of $10 per subscriber. This is not unusual, according to a 1968 study of AT&T by Joseph Goulden.

* * *

Standard Oil workers on the West Coast publish a six-page underground paper called The Stranded Oiler. Ingram interviewed the editor, found him urbane, conservative in dress, a professional man. ("He's no Abbie Hoffman.") His motive in establishing the paper, he said, is to counter the "insensitive, initiative-killing regimen" at Standard Oil. The paper prints both scuttlebutt and hard news on company affairs. Next month it will announce winners of its Pig Contest. That is, the 10 most "oppressive" people in the company.

The Oiler, writes Ingram, (who used to be with the TV forum, The Advocates) has questioned Standard's production of defoliants and pesticides, its role in the trans-Alaska pipeline and the safety of its tankers. Men who hawk the paper in front of the plant are mysteriously photographed.

But never mind. The mere existence of this underground press is significant. It's a symbol of greater stirrings, deeper anger.

Another thorn in the side of the corporation these days is the whistle-blower. Cost accountants have a high mortality rate because they're on to too many sly tricks — and sometimes they complain. "A favorite trick around inventory time is to load up parts and stock already billed the government, and supposedly used in production, put it in trucks and drive it out of town for a few days." Accountants who honk the horn about such stolen goods are not only fired — they're blacklisted. But they've been heard!

Tell Me Why!

Who Invented Money?

Win The New Book of Knowledge (20-volumes). Send your questions, name, age, address to "Tell Me Why!" care of this paper. Include your Zip Code. In case of duplicate questions, the author will decide the winner. Today's winner is: SARA EARLY, nine, Columbus, O.

First, we have to understand what money is. It is a convenient means of exchange and a measure of the value of goods and labor. A person can exchange his form of money for some object he wants, and he can exchange his services for money.

So in the history of man, money has undergone many changes. Before money, man simply would exchange goods. He might give fish he had for some fur he needed. This is called barter.

But as society developed, barter became too inconvenient. So man looked for better mediums of exchange. One of the earliest forms of money was cattle. Later on, in order to be able to trade more easily, he began to use grain and salt as money.

In early societies around the world, many different objects and products were used as money. Beads, ornaments, and shells were used. In time, still looking for a more convenient way of trading, man turned to metal. At first, people used crude lumps of copper, iron, gold, or silver as money.

Finally metal coins were made. Some historians believe the Chinese were the first to do so, about 1000 B.C. The Bible has many references to pieces of silver. A few examples of coins made of an alloy of gold and silver have been found that were made by the Lydians of Asia Minor about 700 B.C.

As the use of coins increased, their output came to be controlled by the ruler of a country. In the Middle Ages, metals were stamped by the issuing authority and fashioned in uniform weights. Paper money came into general use only about 300 years ago.

FUN TIME
The Riddle Box

1. Why shouldn't a doctor be seasick? 2. Why is a pencil like a riddle? 3. What nut is like a sneeze?

ANSWERS

1. Because he is accustomed to see sickness. 2. Because it's no good without a point. 3. Cashew.

THE PUZZLE BOX

MOTCASH
ENKIYD
SNITINETE

Here are the names of three organs of the human body. To find out what they are, rearrange the letters in each word. See tomorrow's paper for the answer.

Win The New Book of Knowledge Yearbook. Send your riddles, jokes, to: "Riddles, Jokes; Tell Me Why!" Give Zip Code. Today's winner is: DEBBIE BOUCHIE, 15, Washington, Ind.

On Broadway

by Jack O'Brian

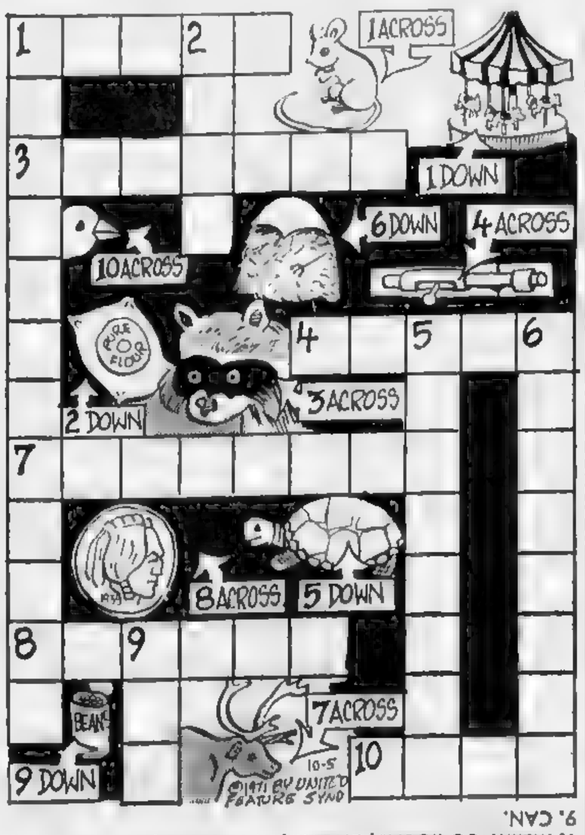
NEW YORK — Jack Cassidy has spent his show biz life trying to become a star, and one midtown theater's marquee for "Bunny O'Hare" lists Jack as "Father of David Cassidy, Star of 'The Patridge Family.'"

Irving Caesar's eulogy to Ted Lewis at the latter's funeral ran longer than Ted's old act . . . Gangland target Joe Colombo's hideout has $35,000 wotrh of medical equipment keeping him alive . . . Next major mob headlines will be Carlo Gambino's, we're advised, furtively . . . Janet Waldo is a rich actress from years of being Corliss Archer on radio plus the voice of endless kid-cartoons; asked why she continues to work though wed to spectacularly successful playwright Bob Lee (whose "The Incomparable Max" is due this fall), Janet replied, "I'm putting Bob through Broadway" . . . Lawyer we know had his infant daughter grabbed by three female hoods in Central Park (at 96th St.), and while one minded the baby, the other two forced the child's nurse to get $500 on threat of murdering the baby; she did, it was reported to police but never made the papers.

Gov. Wallace brought 200,000 photos of himself. Thud & Blunder: Cy Howard's "Every Crook & Nanny" movie is about a gang of inept hoods. Mrs. Coretta King reportedly refused to have a N.Y. school named after her assassinated husband.

Yousuf Karsh is a recognized great photographer, maybe the best in the world with properly stratospheric prices. Nary a photo enlivens his Montreal home; too expensive, probably . . . The Plaza's new "ecological" restaurant, The Green Tulip, announces it'll be the only one in town with a full-time gardener . . . "1776" producer Stuart Ostrow discovered a patriotic economy: while buying a Betsy Ross flag replica (13 stars) for his long-run delight, the Valley Forge Flag Co. informed him manufacturers can't charge a sales tax on such flags . . . When Phil Brito wrote his "Mama" tune in 1945, he dedicated it to his daughter Suzanne; Phil just rerecorded it, and this time dedicated it to his granddaughter.

Little People's Puzzle



ANSWERS, Across — 1. MOUSE, 3. RACCOON, 4. LATCH, 7. REINDEER, 8. NICKEL, 10. BEAK. Down — 1. MERRY-GO-ROUND, 2. SACK, 5. TORTOISE, 6. HAYSTACK, 9. CAN.

The Gossip Column

By Robin Adams Sloan

Q: I read that it costs around $2,500 to go for treatment of sex problems at the Masters and Johnson Institute. Are they making a lot of money there in St. Louis? — R. C., Verbank, N. Y.

A: Sex is now big business and highly profitable. The institute receives fat fees from patients and is also heavily funded by various organizations including Playboy magazine. In addition, there is revenue from those best-selling M & J books. Another source of revenue is testing. For example, the institute is trying out various scents under a contract from a giant behind-the-scenes company called International Flavors and Fragrances. This company develops perfumes and new taste sensations. Zounds! What will happen if Masters & Johnson come up with an instant sex appeal spray?

★

Q: My husband has a full-time job, but about a year ago he started working nights and weekends. We don't need the extra money and it drives me buggy. My sister says he may be a "workaholic" and says you'll know what the name of the book is on this subject. — T. G., Oconte Falls, Wis.

Wayne: things looked black

A: Your sister is referring to "Confessions of a Workaholic," by Wayne Oats. The writer uses the term to describe those who have a deep craving not merely for work but for overwork, and can be happily on the job as much as 80 hours a week. Psychoanalyst Karl Abraham says that work addiction is a means by which some people "protect themselves against the outbreak of serious neurotic phenomena." They are miserable on weekends, can't abide vacations, and only feel better on Monday mornings when work begins again. America, it seems, is full of "workaholics," among them many of the nation's leading politicians, corporation heads, and sports figures.

★

Q: My son says some of his friends are "phone phreaks" and that's how he spells it. I don't understand about these kids and their little blue boxes. — B. C., Arlington, Va.

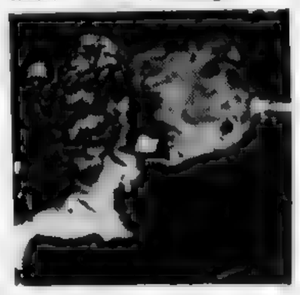
A: "Phone phreaks" are a growing band of electronic hobbyists, many of them teen-age, who are giving Ma Bell the heebie-jeebies. Their homemade little blue boxes are gadgets enabling users to make free phone calls all over the world. Devotees of the "sport" rap with pals all over the world or call London, Hong Kong, and Rome just to hear the time and weather. Many box-owners are blind youngsters who use "phreaking" for companionship. The use of little blue boxes is illegal, but so far the telephone company has had little success in tracking down dial-pirates.

★

Questions you didn't ask but here's the answer anyway: Super-patriot John Wayne sought the services of 10 major black actors to play with him in his latest film "The Cowboy." Everyone turned down the role, with Richie Havens saying, "It's a great part, but I couldn't show my face to my friends if I took it." However, beautiful black Roscoe Lee Brown refuses to practice prejudice in reverse. He took the role.

★

Q: I saw Leonard Bernstein on the Today show after the JFK Center opening, kissing and hugging everybody in sight — both men and women, plus all the Kennedys. What's with him? — G. P., Chicago.



Bernstein: the kissing bandit

A: The maestro likes to kiss both men and women and he especially likes to buss Kennedys. Mrs. Rose Kennedy visibly recoiled from his embraces, murmuring that he would ruin her makeup, but nothing deters Lenny. He was the same way years ago when Jacqueline Kennedy was First Lady, giving her a sweaty embrace and kiss after conducting in New York. Maybe that's why Jackie nixed the opening, in order to avoid the man whom composer Aaron Copland calls "the kissing bandit."

★

Q: How does Charlie Chaplin feel about his daughter Vicky's involvement with the circus clown you wrote about? — G. H., Terre Haute, Ind.

Chaplin: good housekeeping

A: Chaplin is placid over Vicky's marriage to Jean-Baptiste Thierree and he has maintained her serenity in the face of a brand new granddaughter named Aurora. Unless his children cost him money or try to exploit the family name, Chaplin and his wife Oona remain on cordial but distant terms with their numerous offspring. This includes daughter Geraldine, who had a brief, unspectacular film career in "Doctor Zhivago," and who is engaged in common-law joint housekeeping with a young Italian director in Madrid.

He Felt Crunch For His Phone Pheats

By TIM REITERMAN

Not many people go to prison for pursuing a hobby, but a passion for playing with exotic telephone equipment has finally put Captain Crunch in the slammer.

"It's a hobby, like CB radio — it's diddling around," the electronics whiz kid says. "Why do I do what I do? To hear a call go through, to hear all that telephone company equipment work for you, that's what you're after. Chirps, bells and tinkles."

Crunch, whose given name is John T. Draper, reflected without regret about his hobby just before driving south from San Francisco to the federal prison at Lompoc. He started serving a four-month sentence Oct. 4 for defrauding Pacific Telephone Co. of $30 worth of long-distance calls.

Draper, 32, has been a legendary member of the mischievous "phone phreaks," whose shenanigans and illegal long-distance calls have made them natural enemies of phone companies around the globe.

Phone officials hope his conviction, and 122 other toll fraud convictions last year, will deter phreaks and others from cheating the phone company out of an estimated $1 million in calls each year.

The essence of phone phreaking is the imitation of electronic sound signals which trigger phone company equipment, allowing calls to be placed and routed without charge.

For all practical purposes, the phenomenon has its roots in a cereal box. In the late 1960s, it was discovered that Captain Crunch cereal contained free plastic whistles that produced a tone of 2600 cycles per second. That frequency was a key to making a phone work for free.

Draper, with the scraggly black hair and horn-rimmed glasses of the proverbial mad scientist, learned this and other fascinating secrets after meeting a blind phreak in an accidental phone encounter.

"Then I ran into Denny, who said he had 27 ways to make free phone calls," he recalled. "Denny invited me to meet his friend Jim, who told me he would make a free call by playing certain tones on an organ into a phone.

"I told him he was crazy because I didn't think the phone company was dumb enough to have a system so easy to break into. Anyway, Jim blew my mind.

"He dialed an 800 (toll-free) number and hit a E above middle C on the organ. All of a sudden, the 800 number disappeared with a clunk. I heard a white noise, a hissing, then he used the organ to key out the number I wanted. It worked."

Draper, with electronics training in the Air Force and San Jose City College, went home and fabricated his own organ to imitate phone signals. He fashioned a "Blue Box," a device which succeeded Captain Crunch whistles as the most prized possession in "phreakdom." "That started me phone phreaking," Draper said with undisguised glee. "First, I called all my friends. Then, I thought, 'Wow! Here I am with the phone company at my fingertips. Free.' "

Crunch boasts of many elaborate phone feats unsanctioned by Ma Bell.

One call, he said, was routed around the world clockwise a few times, from San Francisco to London to Sidney to San Francisco, then around the world counterclockwise a few times.

He describes another experiment in a room with two phones, using one to call around the world to the second. "About eight seconds after I answered one phone, I listened on the second phone and heard myself answering the first phone," he said.

"It took my voice that long to travel around the world."

Associated Press

JOHN T. DRAPER
Legendary Captain Crunch

Escape Over Berlin Wall

BERLIN (AP) — Two brothers climbed over the Communist wall from East Berlin into West Berlin to seek political asylum in an increasingly rare wall escape, a West Berlin police spokesman said yesterday.

The spokesman said the brothers, 21 and 22 years old, made their escape Tuesday night in heavy fog and darkness and apparently undetected by East German border guards.

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Irish to Vote on President Nov. 24

DUBLIN, Ireland (AP) — The Irish will vote Nov. 24 for a replacement for President Cearbhall O'Dalaigh, who resigned after Defense Minister Patrick Donegan said the president was a "thundering disgrace" because of his opposition to the government's new antiterrorist laws.

The opposition party, Fianna Fail, is expected to put up Maj. Vivion De Valera, a son of former President Eamon De Valera.

Meanwhile, in Northern Ireland, a 54-year-old lieutenant in the Ulster Defense Regiment, the mostly Protestant militia, was killed by a man who walked into his hardware store in Armagh and shot him in the back.

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"Then I ran into Denny, who said he had 27 ways to make free phone calls," he recalled. "Denny invited me to meet his friend Jim, who told me he would make a free call by playing certain tones on an organ into a phone.

"I told him he was crazy because I didn't think the phone company was dumb enough to have a system so easy to break into. Anyway, Jim blew my mind.

"He dialed an 800 (toll-free) number and hit a E above middle C on the organ. All of a sudden, the 800 number disappeared with a clunk. I heard a white noise, a hissing, then he used the organ to key out the number I wanted. It worked."

Draper, with electronics training in the Air Force and San Jose City College, went home and fabricated his own organ to imitate phone signals. He fashioned a "Blue Box," a device which succeeded Captain Crunch whistles as the most prized possession in "phreakdom." "That started me phone phreaking," Draper said with undisguised glee. "First, I called all my friends. Then, I thought, 'Wow! Here I am with the phone company at my fingertips. Free.' "

Crunch boasts of many elaborate phone feats unsanctioned by Ma Bell.

One call, he said, was routed around the world clockwise a few times, from San Francisco to London to Sidney to San Francisco, then around the world counterclockwise a few times.

He describes another experiment in a room with two phones, using one to call around the world to the second. "About eight seconds after I answered one phone, I listened on the second phone and heard myself answering the first phone," he said.

"It took my voice that long to travel around the world."

Associated Press

JOHN T. DRAPER
Legendary Captain Crunch

Escape Over Berlin Wall

BERLIN (AP) — Two brothers climbed over the Communist wall from East Berlin into West Berlin to seek political asylum in an increasingly rare wall escape, a West Berlin police spokesman said yesterday.

The spokesman said the brothers, 21 and 22 years old, made their escape Tuesday night in heavy fog and darkness and apparently undetected by East German border guards.

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Irish to Vote on President Nov. 24

DUBLIN, Ireland (AP) — The Irish will vote Nov. 24 for a replacement for President Cearbhall O'Dalaigh, who resigned after Defense Minister Patrick Donegan said the president was a "thundering disgrace" because of his opposition to the government's new antiterrorist laws.

The opposition party, Fianna Fail, is expected to put up Maj. Vivion De Valera, a son of former President Eamon De Valera.

Meanwhile, in Northern Ireland, a 54-year-old lieutenant in the Ulster Defense Regiment, the mostly Protestant militia, was killed by a man who walked into his hardware store in Armagh and shot him in the back.

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DARK SHADOWS

CAPTAIN EASY

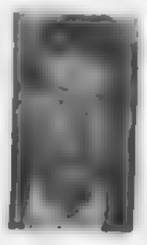
Scents Put To Test For Sex Appeal

Q: I read that it costs around $2,500 to go for treatment of sex problems at the Masters and Johnson Institute. Are they making a lot of money there in St. Louis? — R.C., Verbank, N.Y.

A: Sex is now big business and highly profitable. The institute receives fat fees from patients and is also heavily funded by various organizations including Playboy magazine. In addition, there is revenue from those best-selling M & J books. Another source of revenue is testing. For example, the institute is trying out various scents under a contract from a giant behind-the-scenes company called International Flavors and Fragrances. This company develops perfumes and new taste sensations. Zounds! What will happen if Masters & Johnson come up with an instant sex appeal spray?

Q: My son says some of his friends are "phone phreaks" and that's how he spells it. I don't understand about these kids and their little blue boxes. — B.C., Arlington, Va.

A: "Phone-phreaks" are a growing band of electronic hobbyists, many of them teen-age, who are giving Ma Bell the heebie-jeebies. Their homemade little blue boxes are gadgets enabling users to make



Leonard Bernstein

Charlie Chaplin

free phone calls all over the world. Devotees of the "sport" rap with pals all over the world or call London, Hong Kong and Rome just to hear the time and weather. Many box-owners are blind youngsters who use "phreaking" for companionship. The use of little blue boxes is illegal, but so far the telephone company has had little success in tracking down dial-pirates.

Q: My husband has a full-time job, but about a year ago he started working nights and weekends. We don't need the extra money and it drives me buggy. My sister says he may be a "workaholic" and says you'll know what the name of the book is on this subject. — T.G., Oconto Falls, Wis.

A: Your sister is referring to "Confessions of a Workaholic," by Wayne Oats. The writer uses the term to describe those who have a deep craving not merely for work but for overwork, and can be happily on the job as much as 80 hours a week. Psychoanalyst Karl Abraham says that work addiction is a means by which some people "protect themselves against the outbreak of serious neurotic phenomena." They are miserable on weekends, can't abide vacations, and only feel better on Monday mornings when work begins again. America, it seems, is full of "workaholics," among them many of the nation's leading politicians, corporation heads and sports figures.

the gossip column

By ROBIN ADAMS SLOAN

Q: I saw Leonard Bernstein on the Today show after the JFK Center opening, kissing and hugging everybody in sight — both men and women, plus all the Kennedys. What's with him? — G.P., Chicago.

A: The maestro likes to kiss both men and women and he especially likes to buss Kennedys. Mrs. Rose Kennedy visibly recoiled from his embraces, murmuring that he would ruin her makeup, but nothing deters Lenny. He was the same way years ago when Jacqueline Kennedy was First Lady, giving her a sweaty embrace and kiss after conducting in New York. Maybe that's why Jackie nixed the opening, in order to avoid the man whom composer Aaron Copland calls "the kissing bandit."

Q: How does Charlie Chaplin feel about his daughter Vicky's involvement with the circus clown you wrote about? — G.H., Terre Haute, Ind.

A: Chaplin is placid over Vicky's marriage to Jean-Baptiste Thierree and he has maintained his serenity in the face of a brand new granddaughter named Aurora. Unless his children cost him money or try to exploit the family name, Chaplin and his wife Oona remain on cordial but distant terms with their numerous offspring. This includes daughter Geraldine, who had a brief, unspectacular film career in "Doctor Zhivago," and who is engaged in common-law joint housekeeping with a young Italian director in Madrid.

TEEN FORUM

Girl Accused Of Writing To Column

By JEAN ADAMS

(Q.) My problem is your column. My mother reads it every day (I do, too). She accuses me of writing to you. She picks out the letters I have written. She says I won't bring my troubles to her, I take them all to you.

One time she even accused me of being pregnant because a girl who wrote was my own age and very much like me. She was climbing the walls until I convinced her I hadn't ever written you and was not pregnant. Can you do anything to help me? — Accused in Connecticut.

(A.) FOR JUST about every letter that is printed in Teen Forum, I get hundreds that are very similar. I cut out any details that would exactly identify any girl or boy. But the letters are all honest and authentic.

Teen problems across America are very much the same. Teens themselves are also very much the same. They want good advice. Some can get it from their parents. But even if they can, they also like to have an outside viewpoint from someone qualified to comment.

The questions and answers you and your mother read here can help you in handling your own problems, even though you are not the one who wrote. That is the whole idea of Teen Forum. It helps not only the ones who write, but thousands of others, too.

Aries Individual Aims To Stand Out

For Wednesday, Oct. 6

By SYDNEY OMARR

Aries seeks to stand out, to lead, to gain recognition. The nature of this native is energetic. Sitting and doing nothing is opposite to the mainspring of an Aries individual. For Aries, the keynote is action. Some famous persons born under this zodiacal sign include Harry Reasoner, Frank Gorshin and Ann Miller.

ARIES (March 21-April 19): Self-indulgence now proves expensive. Analyze needs. Have fun without being foolish. Remember to save for that proverbial rainy day. Key is to accept added responsibility. You will be rewarded.

TAURUS (April 20-May 20): Lunar cycle is indicative of disputes connected with secrets. Means one you usually trust may not be telling all. Maintain self-control. Finish project. Relationship is tested. Avoid speaking in anger.

GEMINI (May 21-June 20): One you depend on for moral support may be traveling. Key is more self-reliance. Stress greater independence of thought, action. Highlight original concepts. Give full play to creative processes.

CANCER (June 21-July 22): Money and friends may not mix. Know this and be prudent in connection with paying and collecting. Pass, delay when it comes to borrowing, lending. Legal and financial angles need investigating.

LEO (July 23-Aug. 22): Avoid actions based on anger, impulse. Tendency is to feel oppressed. You could say, do things which cause later regret. Permit this foreknowledge to act as preventive medicine. Professional gain indicated.

VIRGO (Aug. 23-Sept. 22): Be aware of details, apparent minor matters. Don't neglect health. Seek balance between work, recreation. Travel now may not hold answers. Take time to evaluate basic position. Don't rush.

LIBRA (Sept. 23-Oct. 22): Activity increases. You make numerous plans, contracts. Be selective. Avoid any semblance of panic. Demands of young person should not be taken too seriously. Be diplomatic but firm.

SCORPIO (Oct. 23-Nov. 21): You may feel friends are opposing your desires. This, very likely, is not the case. Your timing, however, could be off mark. Key now is to permit others to have their say. Your role is that of keen observer.

SAGITTARIUS (Nov. 22-Dec. 21): Hold rein on enthusiasm. Be optimistic, not impulsive. Accent on financial arrangements, disbursions. Pisces person appears to be involved. Aggressive relative can best be ignored — in a nice way.

CAPRICORN (Dec. 22-Jan. 19): Finances are activated. Accent also is on creative endeavors, relations with opposite sex. Achievement is keynoted. Windfall could be featured. What happens happens in a big way. Be ready.

AQUARIUS (Jan. 20-Feb. 18): Some claim you are hyperactive. In truth, you may be anxious about domestic matter. It is necessary to complete a project. More persons pay more attention to your ideas, views.

PISCES (Feb. 19-March 20): Hold off on journey. You need additional information. Message could be garbled. Get puzzle pieces together. See in fresh light. Reject secondhand stories, reports. Assert more independence.

IF TODAY is your birthday you have natural appreciation of harmony, in music, the arts, in human relationships. This month you are burdened with additional responsibility. However, opportunities multiply; chances for rewards are greater.

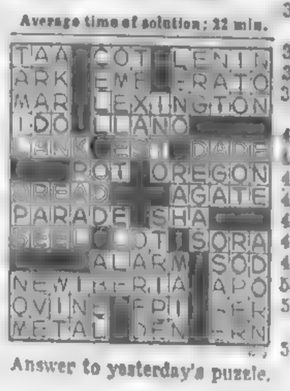
(To find out who's lucky for you in money and love, order Sydney Omarr's booklet, "Secret Hints for Men and Women." Send birthdate and 75 cents to Omarr Astrology Secrets, Orlando Evening Star, Box 3340, Grand Central Station, New York, N. Y. 10017.)

CROSSWORD---By Eugene Sheffer

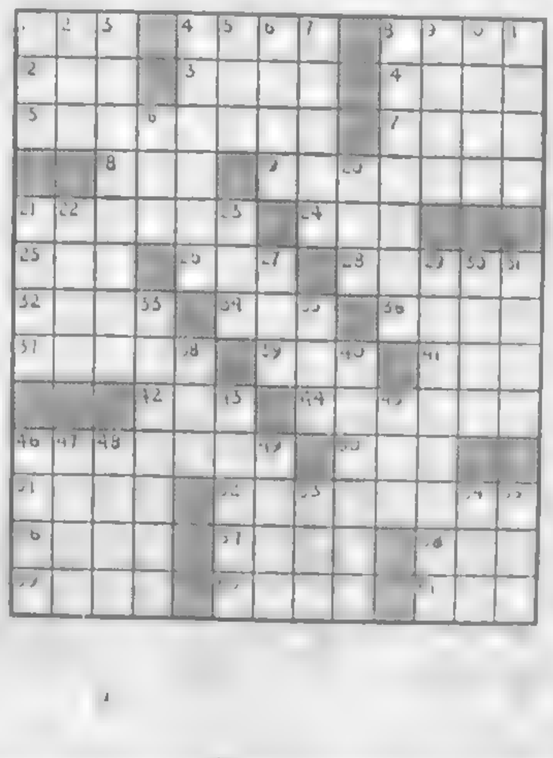
ACROSS
1. Tiny ——
4. Happy
8. Fly alone
12. Poem
13. Storm
14. Notion
15. Romeo's father
17. The greatest part
18. Beard
19. British, and others
21. Signify
24. Girl of song
25. Free
26. Mineral spring
28. German river
32. Scope
34. Man's name
36. Nimble
37. Combine
39. Set of tools
41. Chemical suffix
42. Sixth sense
44. East Indian coins
46. Certain fisherman
50. Insane
51. Grotto
52. Juliet, and family
56. River near Mt. Etna
57. Inland sea
58. —— de Oro
59. Electrical units
60. Cozy place
61. Adage

DOWN
1. —— Jones
2. Artificial language
3. Greek comic dramatist
4. Ulysses, et al.
5. Loiter
6. Chills and fever
7. —— Taylor
8. Figures of speech
9. Scent
10. —— majesty
11. Cereal grains
16. Cardinal number
20. Handle clumsily
21. Small drink
22. Ireland
23. Finial
27. Early vessel
29. Traffic offenders
30. Sea bird
31. Gypsy gentlemen
33. Timeless
35. Melody
38. Superlative suffix
40. Hobbish
43. Gentleman
45. Chum
46. Cicatrix
47. Aspice
48. Wicked
49. Unusual
53. Dance step
54. Pedro's aunt
55. Farm animal

Average time of solution: 22 min.



Answer to yesterday's puzzle.



Today's Stocks

Here is a partial list of NEAR CLOSING prices for today on the New York and American stock exchanges, supplied through the courtesy of FIRST CALIFORNIA CO., 50 Santa Rosa Ave., Santa Rosa. Telephone (707) 545 4810 or (from Petaluma) 795-3931

Alcoa 54 1/8	Gen Foods 25 1/4	PG&E 29 1/2
Am Air Ln 28 7/8	Gen Motors 75 3/4	Pac Pw & Lt 22 1/2
Am T&T 43 1/4	Gen T&T 27 1/2	Pac Tel 16 1/4
Beth Steel 30 1/4	Ga Pacific 41 1/8	Pan Am 13 1/8
Boeing 22 3/4	Goodrich 26 1/2	JC Penney 82 1/2
Borg Warn 41	Goodyear 30 3/8	RCA 36 7/8
Bris Myers 69	Greyhound 18	Reynolds In 67 7/8
Chrysler 30 7/8	Gulf Oil 24 7/8	Safeway 36
Coca-Cola 145 1/2	Honeywell 158 7/8	Sears 106 7/8
Colg Palm 79 1/2	IBM 414 1/2	So Cal Ed 26 5/8
Con Ed 24 7/8	Int'l Paper 37 1/8	So Pacific 46 3/8
Crown Zel 26 1/4	Int'l Tel 52 7/8	Std Oil Cal 66 1/4
Disney 198 1/4	Jhns Man 31 3/4	Std Oil NJ 79 1/2
Dow Chem 96 1/2	Kaiser Ind 6 7/8	Texaco 34 3/8
Dupont 181 1/2	Kennecott 23 1/4	Trans Am 19 3/8
East Kodak 136 1/4	Lucky Stores 13 7/8	Union Oil 33 3/4
El Paso 18 1/2	McDon Doug 36 1/8	Un Pac 53 3/8
Ford 65 5/8	Merck 83 1/2	United Air 37 1/4
For McKess 22 1/4	Minn Min 85	US Steel 29 1/4
Gen Elec 67 1/2	Mobil 65 1/4	Westn Bank 35 1/2
	Nat'l Cash 34	Westinghouse 43

Wall Street

NEW YORK (AP) — Prices made small gains in today's stock market but lacked momentum for a real push. Trading was moderate.

At 2 p.m., the Dow Jones average of 30 industrials was up 3.54 to 964.93. Gaining issues were ahead of declining ones on the New York Stock Exchange by about 8 to 5.

"The market has had a rest period in the last three days before making a forward move," said Charles M. Lewis of Treves & Co. "We look for a good market from here into September."

In the fourth day of a confrontation between the government and the major auto producers over price increases, auto issues firmed up after General Motors offered to reduce its increases by about one-third. American Motors and Chrysler resisted the government's move.

American Motors was off 1/8 to 9 1/4 and Ford was unchanged at 65 5/8, but General Motors gained 7/8 to 75 3/4 and Chrysler was ahead 3/8 to 30 7/8.

The Big Board's volume leader was Franklin Mint, down 2 1/8 to 37 1/2. A block of 348,000 shares sold at 36. The company said it knew of no reason for the decline.

Also active was Sears, down 3 3/4 to 107. A block of 316,900 shares moved at 105. Sears reported higher earnings but the rate of gain disappointed some investors, brokers said.

On the American Stock Exchange the volume leader was Technical Tape, up 1/4 to 3 5/8 after forecasting improved earnings.

The Big Board index was up .24 to 61.53 at 2 p.m. and the price change index of the Amex was ahead .03 to 26.95.

Pacific Stocks

By THE ASSOCIATED PRESS

Prices were up in moderately active trading at midmorning today on the Pacific Coast Stock Exchange with gaining issues outnumbering losers 132 to 75 with 57 unchanged.

Gainers included UAL 1 1/4; General Electric 1; Union Oil of California 7/8; Chrysler and Southern California Edison 5/8, Fairchild Fluor Corp., General Motors and Phillips Petroleum were up 1/2; American Telephone, Flying Tiger Standard Oil of California, United Aircraft, 1/4.

Losing were Xerox 1 1/2; Caterpillar Tractor 7/8; Bethlehem Steel and RCA 3/8; Communications Satellite 1/4.

PG&E traded at 28 7/8, up 5/8.

GM Taking Auto Safety Measures

WASHINGTON (AP) — In response to a government warning to consumers, General Motors says it will install special shields on most of its full-sized 1971 and 1972 models to prevent possible loss of steering control.

The GM announcement came Thursday after publication by the National Highway Traffic Safety Administration of a "consumer protection bulletin" warning owners of 3.5 million 1971 and 1972 GM cars that rocks or gravel could lock up steering control.

The NHTSA bulletin said all full-size Pontiacs, Buicks, Oldsmobiles and Chevrolets are susceptible to gravel or rocks becoming lodged in the lower frame of the vehicles, at the steering coupling at the base of the steering column.

In a statement issued in Detroit, GM said:

"We are aware of this situation and have been cooperating with the NHTSA in its investigation. The conditions under which certain sized stones from gravel roads may lodge in the steering coupling are so unusual and the occurrences so rare that we do not believe this constitutes a hazard to our customers . . .

"We have sent bulletins to all dealers advising them of the availability of a simple shield that can be installed to prevent the possibility of stones becoming lodged in the steering-shaft coupling of full-sized 1971 and 1972 vehicles. For those owners who may operate their vehicles under such unusual conditions GM dealers will install this shield without charge to the owners of these 1971-72 model cars regardless of age or mileage."

Ralph Nader's Center for Auto Safety said GM had been aware of the problem at least since March, and in May sent dealers instructions about the gravel shield which costs about 50 cents and takes 10 minutes to install.

The Political Roundup—

GOP Tunes Up With Attacks On Demos

MIAMI BEACH, Fla. (AP) — Preliminaries for next week's Republican convention are turning into a forum for attacks on Democratic presidential nominee George McGovern and mark the opening stages in the battle for control of the GOP in 1976.

A floor fight over the shape of the 1976 convention was assured Thursday when the Republican National Committee approved a delegate allotment plan supported by GOP leaders and party conservatives that favors the smaller, more solid Republican states.

Party moderates, claiming states likely to back Vice President Spiro T. Agnew for the 1976 Republican presidential nomination favor the plan, hope to reverse the action at next week's convention. Even if they fail, the plan is sure to be challenged in the federal courts.

The final public session of the Platform Committee produced a sharp attack by William Ruckelshaus, the Nixon administration's environmental chief, on McGovern's antipollution proposals.

Other Republicans fired a steady barrage of criticism at the Democratic nominee for sending former White House press secretary Pierre Salinger to determine whether the North Vietnamese still planned to hold all U.S. prisoners until the Vietnam war ends.

"His meddling is reckless," declared Sen. Gordon Allott of Colorado. "Shocking and an absolute outrage," said Michigan's Sen. Robert P. Griffin.

Their criticism and a White House statement that the Salinger mission could jeopardize the peace talks were countered quickly by the campaigning McGovern.

In Racine, Wis., the South Dakota senator said that hopes for any serious peace talks are being jeopardized by what he termed "a highly publicized global junket" by national security adviser Henry A. Kissinger on the eve of the GOP convention.

The major unfinished business of convention preliminaries was drafting a platform for Republicans to run on this fall.

First installments due out today were to deal with military and foreign policy and were expected to praise Nixon's winding-down of the Vietnam war and to pledge a cease-fire in Indochina once all U.S. prisoners are freed.

Rep. Margaret Heckler of Massachusetts, a member of a subcommittee working on a women's rights plank, said, "there wasn't even much discussion" of a proposal to urging repeal of laws against abortion.

The abortion issue still could be raised on the floor next Tuesday by any delegate, but it would take the majority of six delegations to force a roll-call on that or any issue.

Sufficient votes do seem available to force a roll-call vote on the reapportionment plan. Opponents of the plan approved on a voice vote by the national committee are mostly from large, urban states. They see a better chance of overturning it in the full convention than in the committee where each state has three votes.

The plan adopted by the committee gives each state a base of votes reckoned from its electoral vote. But each state carried by the GOP in the 1972 election gets 4 1/2 bonus delegates, whether the state is California or Alaska, while additional bonus votes would depend on the electoral vote of the states carried by the Republicans.

Opponents said that any plan that awards bonus delegates by states would be ruled unconstitutional by the federal courts.

A rival plan promoted by delegates from larger states would give bonus delegates according to the GOP vote in each congressional district with additional ones for election of Republican governors, senators or congressman.

The national committee approved without dissent reforms in the delegate selection process aimed at producing equality for women within the GOP and increasing the number of young people and minorities among the delegates.

On the Democratic side, McGovern said in Milwaukee that he is exploring ways in which the government might use tax money to aid religious schools. He also renewed his call for an impartial panel to investigate the June 17 break-in and attempted bugging of Democratic headquarters in Washington.

In Denver, McGovern running mate Sargent Shriver told an airport news conference he believes "in my heart" that AFL-CIO President George Meany will vote for the Democratic ticket in November even if he doesn't publicly endorse it.

'Phone Phreaking' Lures More Addicts

SAN FRANCISCO (AP) — Despite stiff fines and long jail terms, "phone phreaking" — the use of an innocent-appearing "blue box" to call free anywhere in the world — is apparently on the increase.

Phone company officials say there were 45 arrests of phone phreaks across the nation in 1971, compared to only six in 1970. There have been seven arrests in California this year.

In the San Francisco Bay Area, phone phreak sources estimate from 7,000 to 10,000 of the "blue boxes" are in use.

The blue box device is a homemade device about the size of a transistor radio which contains 13 numbered buttons on the front resembling a touch-tone telephone.

By duplicating the calliope tones sometimes heard in the background on long distance telephone calls, the blue box enables phreaks to control the phone company's long-distance switching systems and call free anywhere.

Are phone phreaks hard-core criminals? Nick Clainos, a San Francisco attorney who represents phone phreaks, thinks not.

"They're electronical geniuses who got sidetracked. Most quit phreaking after their first brush with the law," he said.

That brush can be painful. Possession of a blue box is against federal law— convictions can bring five years in prison or $5,000 fine.

"When I got arrested, I almost had to keep from smiling in the police car," said one phone phreak. "I knew I was on the way to getting what I'd wanted for years— a job with the phone company."

"I think the phone company could improve service by hiring more phreaks," he said. "But the company's afraid. They don't know how much we know. They don't trust us."

"It's difficult to estimate how many blue boxes are in use . . . or how much revenue the phone company has lost because of toll fraud," said Bob Brown, a Pacific Telephone spokesman.

Brown added, however, that phreaking is "widespread and increasing" and that telephone companies are utilizing "specialized sophisticated electronic devices and techniques" in their attempts to curtail phreaking.

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Quarterly Surge In U.S. Economy

WASHINGTON (AP) — The government has issued a prosperous report for the April-June quarter: the economy grew more than expected, corporate profits increased strongly, and inflation was lower than anticipated.

The Commerce Department said Thursday the Gross National Product grew at a 9.4-per-cent rate in the second quarter, better than the 8.9-per-cent estimate of a month ago.

The GNP revision made the quarter the highest since the fourth quarter of 1965, when the economy also advanced by 9.4 per cent.

The GNP is the total market value of the nation's goods and services and the broadest measure of the economy.

The Nixon administration says it will be hard to sustain the second-quarter growth. The department said the GNP from April through June rose $30.3 billion to a seasonally adjusted annual rate of $1.139 trillion.

Corporate pretax profits increased at an annual rate of $4.9 billion, the department said. The increase brings the profits figure to a seasonally adjusted annual rate of $93.1 billion in the second quarter.

Only two weeks ago, Commerce officials told industry sources privately that second-quarter corporate profits increased by $8 billion or more, a forecast mainly based on glittering profit reports by big corporations. But the department revised its estimate when more data came in.

The department said the inflation rate was 1.8 per cent, lower than the earlier estimate of 2.1 per cent. It was the lowest rate registered since the last three months of 1971, when the wage-price freeze played a major role.

During the first three months of 1972, the economy grew at a 6.5-per-cent rate while inflation—caused by a price bulge after the freeze—rose by 5.1 per cent.

Hells Angels Found Guilty In Stomping Death

OAKLAND (AP)—Two members of the Hells Angels motorcycle club have been found guilty of second-degree murder in the beating and stomping death of a man whose handshake offended them.

After a two-week trial, a Superior Court jury returned the verdict Thursday against Russell S. Beya, 30, and Marvin Gilbert, 29, who the prosecution said became angered by a thumb clasping "power" handshake with which Bradley Parkhurst, 25, greeted them when he came to their home to inspect a motorcycle they were selling.

The two Hells Angels then took turns holding Parkhurst, an Alameda longshoreman, at sword point while the other beat and stomped him to death, the prosecution contended.

The defense said the pair had no intention of killing Parkhurst.

Edith Irving To Be Released

NEW YORK (AP) — Edith Irving was to be released from jail today after serving a two month sentence for her admitted role in the Howard Hughes "autobiography" hoax masterminded by her husband Clifford.

Irving planned to meet his wife at the Nassau County Jail here and take her to Sarasota, Fla. until Aug. 28 when he is due to surrender to begin a 2 1/2-year prison term in Pennsylvania.

Mrs. Irving still faces Swiss charges of allegedly using a forged passport and a stolen identity card to deposit and later transfer in Swiss banks $650,000 McGraw-Hill, Inc. paid Irving for Hughes.

The author said Thursday that his wife, a German-born Swiss citizen, had agreed to voluntarily return to Switzerland by Sept. 5 because they could not afford to put up bail during extradition proceedings.

Mrs. Irving donated a painting of Ibiza, the Spanish island where the plot was hatched, to the jail Thursday and told reporters that the whole experience had left questions about the future of her marriage.

Weather

Petaluma Area

Fair through Saturday but patchy low clouds or fog tonight and early Saturday morning. Little temperature change. Low tonight and high Saturday 50-84. Southerly wind 10 to 15 mph afternoons.

Temperatures

High Yesterday 83
Low This Morning 52
High Year Ago Today . . .88
Low Year Ago Today . . .48
24-Hour Precip. to 8 a.m. -0-
Since July 1 01
Same Period Last Year. . -0-

Sierra Nevada

Fair through Saturday but with some cloudiness north Saturday.

Bay Area

Fair through Saturday with patchy night and morning low clouds increasing near coast tonight. Little temperature change. Highs upper 60s to low 80s. Lows 50s. Westerly wind 10 to 20 mph.

Norcal

SAN FRANCISCO (AP)—Mostly fair weather is predicted through Saturday except for increasing clouds in the extreme north with chance of showers or thundershowers and local gusty winds tonight and Saturday.

Night and morning low clouds are forecast along most of the coast, where westerly winds from 10 to 20 miles per hour are expected. Temperatures are predicted to warm slightly in the northern mountains.

Fourth Coast Storm Victim Found

CRESCENT CITY, Calif. (AP) — A Coast Guard search has turned up the body of a fourth victim of a freak, wind-whipped storm that lashed the California-Oregon coast Wednesday.

The body of Dennis Emmet Main, 44, of Crescent City, was sighted by a Coast Guard helicopter Thursday evening floating in the ocean about one mile southwest of the St. George Lighthouse, officials said. The body was fully clothed and wearing an inflated life jacket.

Main and his son were aboard the 32-foot Bounding Main— one of four fishing boats that never returned from the storm, which battered the seas from here north to Brookings, Ore., with up to 80 mile per hour winds.

The Coast Guard said rescue planes and vessels resumed a search for the missing boats this morning.

The Coast Guard said a bench party found a piece of stern plank with the letters "NNA" at Whale Cove south of the border "which we believe is from the Donna N.," one of the missing boats. The other missing boats were the Ro-Ann, Minday Lynn and Bounding Main. Three other persons missing from a boat which sank were presumed drowned in the storm which pounded seas from Crescent City north to Brookings, Ore. with up to 80 miles per hour winds. Bodies of two known victims from that boat were found as was that of a fisherman whose boat capsized.

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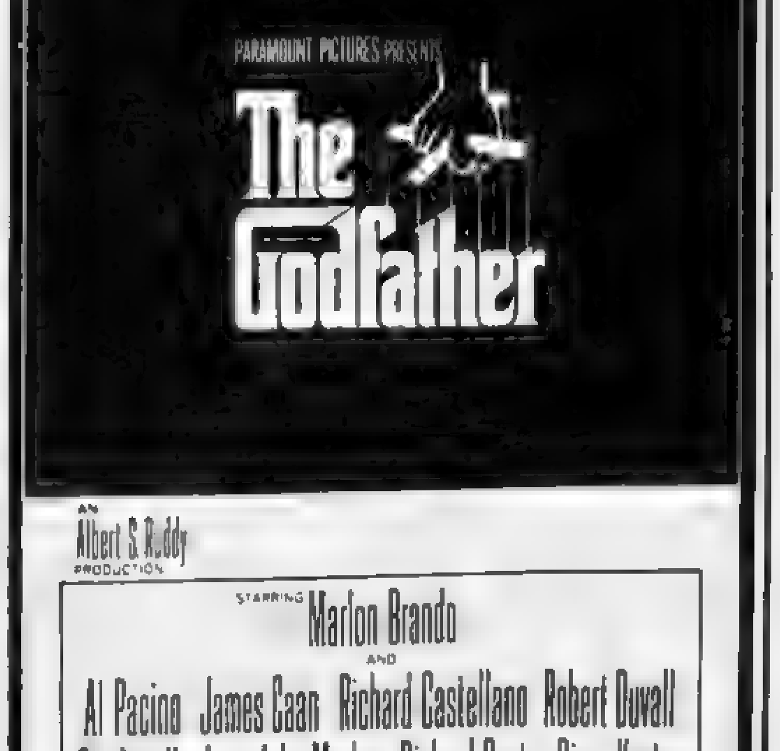
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Sandie Hendrix — 'overweight' at 127

Heavy, Heavy, What Flies Friendly Skies?

By MICHAEL SEILER
Special to The Sunday Press
And the Los Angeles Times

LOS ANGELES — It was a little man named Rick Nadeau who brought about her undoing, says Sandie Hendrix. "A very short squatty man," is how Ms. Hendrix describes him now.

The problem with Nadeau, a flight attendant supervisor, was that he was lacking in charity, Ms. Hendrix says. Also, he had a faulty understanding of her feminine physiology.

He couldn't grasp the fact that at certain times of the month, she gained a few pounds temporarily. Neither could he sympathize with girls from large Italian families who, at infrequent intervals, experience the urge for just one slice of pizza.

In short, Nadeau was one of those men who give male chauvinism a bad name.

He was also the man who booted Sandie Hendrix out of her job as a stewardess with United Air Lines.

In fairness to Nadeau it should be said that he was only following the rules. The rules at United say that a stewardess who is 5-foot-2, cannot weigh more than 118 pounds.

Nadeau said from Chicago headquarters the other day that he sees the situation differently than Ms. Hendrix. He says he talked to Ms. Hendrix about her weight no more than a half-dozen times during her probationary period. One conversation followed a complaint by a passenger that Ms. Hendrix was obviously overweight.

Nadeau says he understands periodic weight gain, but her extra poundage had to come from other factors.

Finally, he thinks he treated her fairly and wishes she would return the favor. "I'm 6 feet tall, weigh about 200 pounds and I wouldn't consider myself squat."

In fairness to United, it should be said that the friendly skies guys make the rules so they can be "competitive in the marketplace," in the words of a United spokesman.

In fairness to Ms. Hendrix, it should be said that she carries her weight very well, indeed, and that an extra pound or two here or there would hardly get in the way of her fluffing up a pillow or fetching another shot of scotch.

But rules are rules, as Ms. Hendrix found out last year when United canned her for weighing in at 127.

Help may be on the way for Ms. Hendrix and other weight-watching stews. The Airline Pilots Assn., which represents some flight attendants, male and female, is suing United in U.S. District Court in New York, seeking to overturn United's weight limits.

The suit, says an association spokesman, claims that "flight attendants are legally required aboard an aircraft for one reason — the safety of the passengers. If a flight attendant doesn't live up to an airlines' weight standards, it has nothing to do with her ability to save lives."

The Airline Pilots Assn. figures the case against United could be a milestone of sorts. If United, the nation's largest carrier, loses, then the others may drop their weight limits.

If that happens, then the strict weight requirement will be the third major stewardess rule that has fallen by the wayside in recent years. It used to be an airline would fire a stewardess who married or grew 40ish, but not anymore.

Just a few years ago, the average stewardess worked her job only for a year or two, according to the spokesman; now the average length of service is 5½ years and still climbing.

The one hurdle left for career-minded stewardesses is the weight rule.

Asked for the reasoning behind the weight limits, a United spokesman replied:

"It's a competitive job to get. It's an attractive line of work. We have so many applications that we only take about 1 in 30 . . . we're going to take the brightest, the people with empathy and enthusiasm, the people who want to serve."

Ms. Hendrix is good buddies with a dozen United stews based in Los Angeles and she says they're weighed every month and most of them fight the battle of the scales as best they can.

She's working as a receptionist with the Southern California Gas Co. and likes that job, but still her heart is in the middle aisle of a 747.

"I'm not bitter; I was hurt more than anything because I was judged on something physical that had nothing to do with performance. It was a bad experience with one bad supervisor, that's all," she says.

She is hoping the New York suit against United will get her the stewardess wings back, along with lost pay and seniority.

In the meantime she is being very good. "I haven't seen a French fry or baked potato in months."

Electronic Challenge

Phone Phreaks Bilking Ma Bell

By SIMON WINCHESTER
Special To The Sunday Press
And The Manchester Guardian

NEW YORK — The First Amendment to the U.S. Constitution declares resolutely that "Congress shall make no law . . .abridging the freedom of speech . . ."

But according to the rate schedule issued by the Chesapeake and Potomac Telephone Co., it now costs me $1.35 to speak for three minutes to someone in San Francisco from my telephone in Maryland. And that is not free speech.

Not in the view of the Technological American Party, that is. This thousand-strong group, which held its second annual convention in a scruffy New York hotel this month, believes that America, which undoubtedly has one of the best telephone systems in the world, should also have the free-est system.

Accordingly, for the past 2½ years the youthful technocrats who make up the membership of TAP have been issuing reams and reams of information on how best to defraud, fiddle, steal from, or generally rip off the American telephone system. Since they have the constitution behind them, they reason, it's all good, clean fun, in the public interest and morally sound.

OTHER WAYS

"Phone phreaking," as the practice of ripping off the phone company is inelegantly known, began here about five years ago when two bright young students named John Draper and Joe Engressia discovered there were more ways of speaking to the corner store than dropping a dime in the slot.

John Draper came to be known in phreaking circles as "Captain Crunch" when he discovered that the frequency of a signal needed to give him access to idle trunk telephone lines, and thus the potential to make free calls across the globe, was the same frequency as that emitted by a small plastic whistle supplied free with every packet of some sugar-frosted breakfast cereal.

Blind Joe Engressia had no such serendipity: He had, instead, a superb mind for international dialing codes and operator commands and switching procedures, and over the months became an expert in winning free telephone calls from Moscow to Madagascar from his home telephone in Memphis.

JUST FOR FUN

"All I have done (and what Joe has done cost him a hefty fine and a threatened five years' term in a federal penetentiary) has been purely for the fun of it — I have never really wanted to defraud the system. Some day I guess I'd like to work for Bell, if they'd ever have me . . ." And his voice trails away over the circuits, while he hopes that some telephone tapster is listening out there for his appeals for work, and warming to his secret love affair with old Ma Bell.

To defraud Ma Bell, whom TAP identifies as Public Enemy No. 1, the phreaks have devised any number of clever, not so clever and totally bizarre ways of getting around the system. They were explained at the convention, which was held in an upstairs room at a hotel off Times Square.

REVENGE METHOD

Al Bell said it was the company's way of getting their revenge for what they had realized must have been a free call. (To me it seemed so bad I thought for a moment I was back in Britain.)

The simplest way of getting a free call from a coin box is when the operator asks you to put in money. Coins register at the exchange — in the older boxes — by making a "ding" for a nickel, a "ding ding" for a dime and "dong" for a quarter.

What you do to beat the system is to put all your coins, when the operator asks you, in the phone box next to you, making sure that you hold the mouthpiece of your phone up against the coin box of the other. You drop in your coins, make the dings and the dongs and the ding-dings, the Bell lady says that's fine and connects you. You have your talk and hang up; and then you press the coin return button on your neighboring phone — and hey presto, all your money will come back, and you've made a free call.

BLEEPS, BLURPS

Dings and dongs are out, it seems, in the interests of security. Bleeps and blurps of electronic origin are in.

But electronic noises can be simulated, as the moog synthesizer has demonstrated. The Red Box is a little moog synthesizer which accurately duplicates the sound of the coins going into the boxes; all a caller has to do is to order his call through the operator, put the speaker end of his Red Box up against the mouthpiece of his phone, and the operator will connect him — for nought.

Curcuit plans for the Red Boxes were selling like hot cakes at the convention. The Bell system fears that it could lose $100 million or more this year in fraudulent calls made with Red Boxes.

But these methods, and many, many more of similar kinds are horribly crude in the eyes and the ears of the devotees of the sicence. It is the Blue Box and its weakling brother, the Black Box, which remain the Hope Diamonds of the craft, and the language that surrounds their use remains poetry to the true phreaks like Joe Engressia, John Draper and the other old phreaking granddaddies in the TAP.

The Blue Box is basically a system of electronic oscillators that emit precise double tones that exactly simulate the tones used to activate the worldwide telephone switching systems. To use one is simplicity itself; to explain just what they do, however, requires a little explanation of the method of trunk line switching and accounting.

Let us say you are in Los Angeles and want to dial a call to New York City. First, the pulses from your dialing go to your local central office exchange, where the activator device calls the CAMA, the Centralized Automatic Message Accountant. This machine records your number, the date and the time, and the number you have just dialed; it then relays all the information pulses onto something called a "toll sender" which swings your call on to a free transcontinental telephone trunk line.

Once the toll sender has found a free line it sends a series of multifrequency pulses (or MF pulses) — the same double pulses which a Blue Box is designed to generate — across to something called "incoming sender" in the toll office in New York. The toll office receives the call, sends it down to the central office exchange identified by the three first digits of the number; the CO sends it farther, to the telephone you're calling, by identifying the last four numbers. And then, once the distant phone is picked up, a signal goes all the way back to the incoming sender to the toll sender to the Californian CO and to the CAMA machine, which notes that the call has begun, and activates the charging mechanism.

CONTINUOUS PULSE

The important thing that Draper and Engressia discovered is that when a trunk telephone line is idle — that is, not carrying any messages — it carries a continuous pulse of a pure 2,600 cycles per second, to identify it to any sender hunting for a free trunk line. As soon as a sender sees there's a line, the 2,600 cycles disappear to make way for the MF pulses transmitted for the call.

What a phone phreak does is to dial into the trunk system by getting long distance information in New York City — which, from a phone in California, requires the dialing of 212-555-1212. Now, as soon as the number connects, he punches his 2,600 button on his Blue Box and this makes the New York City incoming sender think that the line should be disconnected. And it does disconnect it.

The caller is then on—to that delight of all phone phreaks — an unused trunk line, which is just waiting around to be seized for a long distance call. With his Blue Box in his hand and the free line coming straight into his phone, he is the only person in the world who can seize it — and it can take him anywhere he wants.

If he is connected on the trunk — or the tandem, as it is sometimes known — to New York City, and he wants to talk to someone in New York, then he just punches this number on his Blue Box. If he wants somewhere in, say, Hawaii, he just punches the Hawaii code (808) and then the number and the incoming sender will kindly reconnect him. If he wants London, he punches the number of the White Plains International Switching Center (182), then the London pulses (011441), and he's into England.

TOTALLY FREE

All the while his little CAMA machine back in the CO in Los Angeles is notching up his charges at precisely the rate that the Bell system requires for calling New York information — no cents per minute. In other words, totally free.

Tripping up onto a tandem, stacking trunks, zapping around the country from New York to Anchorage to Honolulu and back just to get a store on your street corner — all this kind of thing is pure delight to the true phone phreak. The 100 or so masked individuals who gathered in the Times Square hotel last week were many steps removed from the romantic vision of phreaking — they were into the trade purely and simply to defraud a company that they feel makes too much money.

Their stand may be morally more sound, but their art is decaying, from the great days of the early '70s when Captain Crunch was at the peak of his career. Filling up coin boxes with glue, dropping brass washers into coinbox slots, running powerful electromagnets over the boxes to ruin them forever, now seem to be the height of the abilities of many of the TAP phreaks.

As blind Joe Engressia said ruefully on the phone from Memphis, "That's not poetry any longer, that's just cheating."

Living Cheap

Here's Some Sound Advice

By MARTIN PORISS

Music may soothe the savage beast — but the price of a good sound system can make you go ape

Here's how to put together a smooth-sounding system at a soothing price:

First, decide what you actually need. Beyond a certain price level, you pay a lot for slight differences in sound. Figure your finances, the amount of volume you can really use without "horning in" on your neighbors, and the amount you want to spend on each facet of your sound system (speakers, amplifier, etc.)

Buying from established dealers is O.K. You may pay top dollar, but you will probably receive better warranty service and get a "loaner" if your purchase poops out.

For the economy minded, the discount houses listed in stereo magazines may provide lower prices. Just remember, if a little-known foreign model breaks, it may have to go back to a Tibetan monastery to be fixed by the head lama. So choose a recognized brand with outlets in this country, and try to listen to a system of the type you choose before you buy.

For cheapskates (like me), here are some tips on getting "top volume" for bottom dollar:

—Check college bulletin boards. Students are often on Easy Street at the beginning of a term, but find themselves living in penury (a suburb of East Poverty) near the end. Come final-exam time, great sound equipment may be bought for a song, sometimes even while still under warranty!

—Buy used equipment: In sound equipment models and gadgets change rapidly. Many excellent rigs, now considered obsolete, have been traded in or are lying around the house. An "expert" might sneer at a 10-year-old tube amplifier — but tubes are easily checked for defects, are easy to replace and cost much less than transistors to replace. Run an ad in the paper — it may get re-sounding results. There are also legions of superb monaural sets stashed in attics; maybe you can just offer to haul one away (replace the old needle with a stereo needle, though, to avoid record damage) and ask local dealers about trade-in bargains. You get to hear the system before buying, and you should get (ask for it!) at least a 90-day warranty.

Consider buying second-hand speakers. You needn't be a pro to determine if a used speaker is in top shape. If it sounds good, it works fine. The wood casing may have a scratch or two, but that old speaker will sound no sour note in your bank balance. Invest the savings in a good set of stereo earphones: They are quiet (your neighbor won't blow a fuse), you get great separation of channels and they are comfortable on the (h)ears.

—Don't buy gadgets. Sure, a record-changer is nice. But a straight turntable (tone arm is placed on record by hand) has fewer parts to break, does as good a job as an automatic changer, and is easier on the records. They are sometimes available used for less than $40.

—Build your own. Kits, if you know what you're doing, can provide cheap but good sound.

And finally, a good sound system is useless if the records have more scratches than Aqueduct. Don't mount a brush on the tone arm; use a dust bug and mount it on the turntable. And discard those hard, scratchy, paper record jackets and invest in some cheap, and soft plastic jackets. Your records will last much longer.

Remember: No matter what the statistics say, the only way to judge a sound system is by listening to it. So listen to an expensive new rig and a low-cost used one. If you can't hear the difference — buy Cheap but Good.

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Ted Bundy is said confessing while his execution is looming

ORLANDO, Fla. (AP) — Suspected serial killer Ted Bundy met with officials from several states Saturday, giving them details of dozens of slayings, while his lawyers maneuvered to block his execution on Tuesday.

Bundy, scheduled to die in the electric chair for the kidnap-murder of 12-year-old Kimberly Leach in 1978, has been linked to as many as 36 killings and disappearances of young women in Washington, Colorado, Utah and other Western states.

The 42-year-old law school dropout was visited Saturday by officials from several Western states, and more interviews were scheduled for Sunday, said Paul Decker, assistant warden at Florida State Prison in Starke.

"We have been told by some investigators who met with him that he indeed is owning up to some of his acts," said Jon Peck, spokesman for Gov. Bob Martinez. "He indeed is making good on his promise to start talking."

Bundy's lawyers lost another bid for a stay of execution Saturday. It was rejected by U.S. District Judge G. Kendall Sharp, who in 1987 called Bundy "a diabolical genius" and "probably the most competent serial killer in the country at this time."

His lawyers went on to the 11th U.S. Circuit Court of Appeals in Atlanta.

Bundy last week had offered to trade information about other slayings for a delay in his execution, but Martinez, who signed Bundy's fourth death warrant Jan. 17, refused, saying he would not "negotiate with a killer."

Bundy also has been sentenced to die for the murders of two Florida State University sorority sisters.

John Tanner, a defense attorney before being elected a prosecutor in the Daytona Beach area in November, said law officers from several states told him that Bundy "is giving them verifiable hard facts concerning unsolved murders."

"It's my information that murders are being solved," said Tanner, who befriended Bundy and has acted as a spiritual adviser for two years. Tanner made the comments to the Orlando Sentinel late Friday.

During Saturday's appellate hearing, Bundy lawyer James Coleman had questioned the judge at the Leach trial in an unsuccessful effort to prove that the judge had privately discussed Bundy's mental competence with prosecutors.

Tanner told the Sentinel that Bundy called him last Tuesday and said: "I want to tell it all, but it will take longer than six days." That was right after the U.S. Supreme Court rejected an appeal and the governor signed the death warrant.

Tanner told the Sentinel he believes it could take as long as several months for Bundy to tell detectives everything they want to know, including where the remains of some victims are.

Tanner on Saturday did not return telephone calls from The Associated Press.

"Bundy had over 10 years to tell what he had to tell, and if he is now telling all, that's nice, I'm pleased, but his execution shouldn't be delayed any longer," said Attorney General Bob Butterworth.

Tanner said Bundy met Friday with Robert Keppel of the Washington attorney general's office, and Bill Hagmaier of the FBI Behavioral Sciences Unit in Quantico, Va. He would not identify other investigators or what cases they had discussed.

Bob Sexton of the Colorado attorney general's office was scheduled to talk to Bundy for 90 minutes Monday. Attorney General Duane Woodard said Colorado investigators chose the last time slot available before the execution because "We believe this last shot at him will be the best shot. Perhaps he will show some remorse."

"We're most hopeful of learning where he may have buried his victims," Woodard said. "That would go a long way toward helping alleviate some of the grief of parents and loved ones."

Baking bread

Jewel Fontenot, left, and Carl Walters are baking Syrian bread for Holy Trinity Episcopal Church's annual Kibby Dinner sale to be held Thursday, Feb. 2. Serving times will be 11 a.m.-1 p.m. and 4-7 p.m. Tickets are $5 in advance or at the door. There will also be arts and crafts and baked goods for sale. For more information call 625-4288.

Review

'Mismatch' is techno-thriller

Mismatch, by Lloyd Pye, published by Dell publishing company, available in bookstores or from the publisher, 342 pages, $3.95 paperback.

Reviewed by
Shirley Haupt
Daily News staff

Mismatch is a techno-thriller of the genre of Tom Clancy's Search for Red October without the insight into the defense system or submarine warfare.

The book is based on the concept that a technical genius could wipe out the country's defense using a computer and a telephone.

Some aspects of the book are thought provoking and even chilling in their potential.

Phone phreaking, computer hacking and national defense are at the core of Pye's book.

Computer hacking and phone phreaking, for the unitiated, are breaking into other's people's computers and using Ma Bell's telephone lines without paying for the service.

The story begins with the federal agents hunting for a computer hacker who has been leaving clues all over their classified data for years, not knowing he is also the king of phone phreaks.

They finally catch up with Percy Marsh, a California phone phreak and computer hacker with the technical knowhow to shut down the entire communications network of the United States.

Marsh, the Ghost Glitch, has the ability to shut down all military and government communications within one hour, which he begins doing when the FBI roughs him up to teach him a lesson for his hacking activities.

Enter our villian, a Soviet spy named Viktor Lubov, who learns of Marsh's plan to shut down the national security system for five minutes to teach the country a lesson. Lubov decides the shutdown would provide the perfect opportunity for his country to launch a nuclear attack against the United States.

Enter also, our hero, an exphone phreak on the trail of the the super phreak and an investigative reporter who has no apparent role in the story.

Put them all together, throw in a Soviet submarine and an antisubmarine warfare helicopter and you have the ingredients for Pye's techno-thriller.

Mismatch, Pye's second book, is a thoroughly forgettable book, that rambles here and there and finally works its way to its predictable ending.

The book starts off a bit slow and gets a little confusing at times when the author introduces new characters and situations without warning, but is worth the $3.95 purchase price.

The book bogs down in the opening pages, almost never to recover, but it does have some glimmer of excitment and a twist or two that keeps the reader going.

CELEBRITY CIPHER

Celebrity Cipher cryptograms are created from quotations by famous people, past and present. Each letter in the cipher stands for another. *Today's clue: W equals C*

'P QKZ SG KDKFWPMK

FECCPCQ ZH ZXK LECKFIAM

HL SG LFPKCUM YXH

KDKFWPMK.' — VIFFG QFIG.

PREVIOUS SOLUTION: "I'm simple, complex, generous, selfish, unattractive, beautiful, lazy and driven." — Barbra Streisand.

CROSSWORD

ACROSS

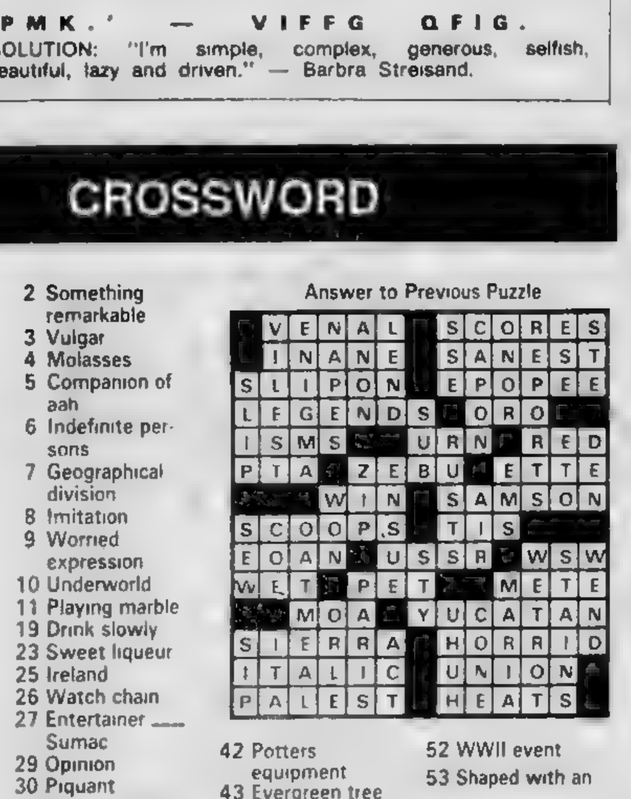
1 Fumbler's exclamation
5 Soft mud
9 Housing agency (abbr.)
12 Sole
13 ___ ___ about
14 Waste cloth
15 Never (poet.)
16 Poultry
17 Oriental women's quarters
18 Photographer Diane ___
20 Caspian ___
21 Rainy
22 Homeric poem
24 Suspenseful
26 Memo abbr.
28 ___'s Honor
31 Actor Sharif
33 Netherlands commune
34 Actor ___ O'Neal
38 Scourge
39 Intermediate (pref.)
40 Architect ___ Saarinen
41 Moist
44 Beast of burden
45 Contemporary painter Andrew ___
48 Period of time
50 Radiation measure
51 Anglo-Saxon letter
54 Of Wales
57 Conclusion
58 Home of Eve
60 Mellow
61 Snow runner
62 Grassy area
63 Ancient South American Indian
64 Mao ___ tung
65 "Auld Lang ___"
66 Mild oath

DOWN

1 Mrs. Charles Chaplin
2 Something remarkable
3 Vulgar
4 Molasses
5 Companion of aah
6 Indefinite persons
7 Geographical division
8 Imitation
9 Worried expression
10 Underworld
11 Playing marble
19 Drink slowly
23 Sweet liqueur
25 Ireland
26 Watch chain
27 Entertainer ___ Sumac
29 Opinion
30 Piquant
32 Stop working
35 Colt
36 Letters of alphabet
37 Numbers (abbr.)
42 Potters equipment
43 Evergreen tree
45 Take away by force
46 Americans (sl.)
47 Actor ___ Albert
49 Nest
52 WWII event
53 Shaped with an ax
55 Animal welfare org.
56 Chief
59 Compass point

Answer to Previous Puzzle

	V	E	N	A	L		S	C	O	R	E	S
	I	N	A	N	E		S	A	N	E	S	T
S	L	I	P	O	N		E	P	O	P	E	E
L	E	G	E	N	D	S		O	R	O		
I	S	M	S			U	R	N		R	E	D
P	T	A		Z	E	B	U		E	T	T	E
		W	I	N		S	A	M	S	O	N	
S	C	O	O	P	S		T	I	S			
E	O	A	N		U	S	S	R		W	S	W
W	E	T		P	E	T			M	E	T	E
		M	O	A		Y	U	C	A	T	A	N
S	I	E	R	R	A		H	O	R	R	I	D
I	T	A	L	I	C		U	N	I	O	N	
P	A	L	E	S	T		H	E	A	T	S	



School lunch menus

Monday, Jan. 23
Beef or Cheeseburger on Bun
F.F. Potatoes — Catsup
Hamburger Salad
Mustard — Mayonnaise
Gelatin
Choice of Milk

Tuesday, Jan. 24
Creole Spaghetti
Seasoned Green Beans
Lettuce Salad w/Dressing
Chilled Fruit
Garlic Bread
Choice of Milk

Wednesday, Jan. 25
Chili Dog on Bun w/Cheese
F.F. Potatoers — Catsup
Buttered Corn
Peanut Butter Cookie
Choice of Milk

Thursday, Jan. 26
Tacos w/Cheese (2)
Spanish Rice
Pinto Beans
Lettuce Salad w/Dressing
Chilled Canned Fruit
Hot Rolls — Honey
Choice of Milk

Friday, Jan. 27
Fish Portion
F.F. Potatoes — Catsup
Green Salad w/Dressing
Peanut Butter Cookie
Hot Rolls — Honey
Choice of Milk

Monday, Jan. 30
Beef or Cheeseburger on Bun
F.F. Potatoes — Catsup
Hamburger Salad
Mustard — Mayonnaise
Gelatin
Choice of Milk

Tuesday, Jan. 31
B.B.Q. on Bun
Potato Salad
Pinto Beans
Dill Pickles
Peanut Butter Cookie
Choice of Milk

UNITED ARTISTS
*3 PER PERSON, SHOWS BEFORE 6 pm TUES.-ALL SHOWS, *3 PER PERSON

UA CHARLES 3
115 WEST SALE 477 4500
GLEAMING THE CUBE (PG-13)
Mon.-Fri. 5:30 7:30 9:30
Sat.-Sun. 2:00 4:30 7:15 9:15
HELL BOUND HELLRAISER II (R)
Mon.-Fri. 5:30 7:15 9:00
Sat.-Sun. 2:00 4:00 7:00 9:00
DEEP STAR SIX (R)
Mon.-Fri. 5:30 7:15 9:15
Sat.-Sun. 2:00 4:15 7:00 9:15

UA OAK PARK 6
OAK PARK & 5th 474 3014
TEQUILLA SUNRISE (R)
1:50 4:10 6:50 9:10
NO PASSES ACCEPTED
JANUARY MAN (R)
2:15 4:30 7:15 9:30
TALK RADIO (R)
2:10 4:20 7:10 9:20
TWINS (PG)
2:00 4:15 7:00 9:15
DIRTY ROTTEN SCOUNDRELS (PG)
2:00 4:15 7:00 9:15
WORKING GIRLS (R)
1:50 4:15 6:50 9:15

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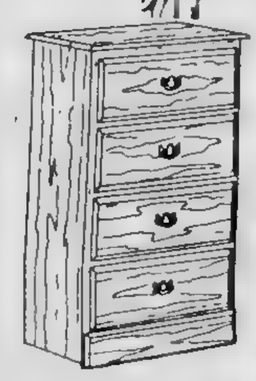
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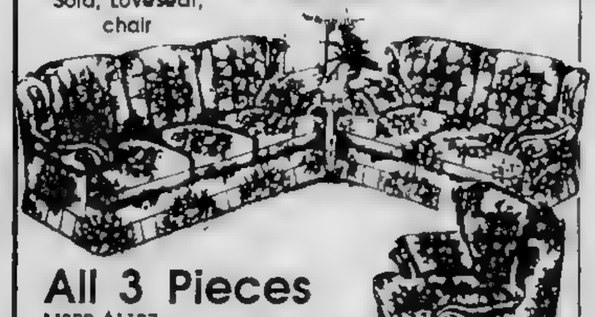
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THE GOSSIP COLUMN by Robin Adams Sloan

Q: My son says some of his friends are "phone phreaks" and that's how he spells it. I don't understand about these kids and their little blue boxes. —B. C., Arlington, Va.

A: "Phone phreaks" are a growing band of electronic hobbyists, many of them teen-age, who are giving Ma Bell the heebie-jeebies. Their homemade little blue boxes are gadgets enabling users to make free phone calls all over the world. Devotees of the "sport" rap with pals all over the world or call London, Hong Kong, and Rome just to hear the time and weather. Many box-owners are blind youngsters who use "phreaking" for companionship. The use of little blue boxes is illegal, but so far the telephone company has had little success in tracking down dial-pirates.

Bernstein: The Kissing Bandit.

Q: My husband has a full-time job, but about a year ago he started working nights and weekends. We don't need the extra money and it drives me buggy. My sister says he may be a "workaholic" and says you'll know what the name of the book is on the subject. — T. G., Oconte Falls, Wis.

A: Your sister is referring to "Confessions of a Workaholic," by Wayne Oats. The writer uses the term to describe those who have a deep craving not merely for work but for overwork, and can be happily on the job as much as 80 hours a week. Psychoanalyst Karl Abraham says that work addiction is a means by which some people "protect themselves against the outbreak of serious neurotic phenomena." They are miserable on weekends, can't abide vacations, and only feel better on Monday mornings when work begins again. America, it seems, is full of "workaholics," among them many of the nation's leading politicians, corporation heads, and sports figures.

Wayne: Things looked black.

Q: I saw Leonard Bernstein on the Today show after the JFK Center opening, kissing and hugging everybody in sight—both men and women, plus all the Kennedys. What's with him? — G. P., Chicago, Ill.

A: The maestro likes to kiss both men and women and he especially likes to buss Kennedys. Mrs. Rose Kennedy visibly recoiled from his embraces, murmuring that he would ruin her makeup, but nothing deters Lenny. He was the same way years ago when Jacqueline Kennedy was First Lady, giving her a sweaty embrace and kiss after conducting in New York. Maybe that's why Jackie nixed the opening, in order to avoid the man whom composer Aaron Copland calls "the kissing bandit."

Q: How does Charlie Chaplin feel about his daughter Vicky's involvement with the circus clown you wrote about? — G. H., Terre Haute, Ind.

A: Chaplin is placid over Vicky's marriage to Jean-Baptiste Thierree and he has maintained his serinity in the face of a brand new granddaughter named Aurora. Unless his children cost him money or try to exploit the family name, Chaplin and his wife Oona remain on cordial but distant terms with their numerous offspring. This includes daughter Geraldine, who had a brief, unspectacular film career in "Doctor Zhivago," and who is engaged in common-law joint housekeeping with a young Italian director in Madrid.

QUESTIONS YOU DIDN'T ASK BUT HERE'S THE ANSWER ANYWAY:

Super-patriot John Wayne sought the services of ten major actors to play with him in his latest film "The Cowboy." Everyone turned down the role, with Richie Havens saying, "It's a great part, but I couldn't show my face to my friends if I took it." However, beautiful black Roscoe Lee Brown refuses to practice prejudice in reverse. He took the role.

Robin Adams Sloan welcomes questions from readers. While Sloan cannot provide individual answers, questions of general interest will be used in the column. Write to Robin Adams Sloan, care of this newspaper.

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Your Horoscope

By JEANE DIXON

Your birthday today: Current expectations should be high. Critical testing of your abilities and the reality of your plans comes quickly so that the first three months are full of incidents, make-or-break opportunities. Then your year settles to steady upward development. Today's natives understand the need for persistent hard work, prefer to organize so that their share is largely the thinking and planning.

ARIES (March 21-April 19): Impulse moves everybody this morning, including some who aren't due to stir. Keep track of what's happening; do as little as your situation allows until you get the whole picture.

TAURUS (April 20-May 20): Morning action runs into crosscurrents, needless duplication if you let it. Afternoon clarity puts you at special advantage for a fresh start.

GEMINI (May 21-June 20): Pause and look about you rather than depend on the skills and alertness of others. Work as nearly alone as your situation allows; be ready for delays, interruptions.

CANCER (June 21-July 22): Clearance activity should be your main concern. Get rid of useless belongings, equipment serving no purpose; abondon failing ventures.

LEO (July 23-Aug. 22): Long-term plans are not yet feasible — more groundwork needs to be done. Declutter your schedule.

VIRGO (Aug. 23-Sept. 22): Just staying abreast of current developments and carrying your end of the stick will be enough to manage.

LIBRA (Sept. 23-Oct. 22): What may seem to be intervention turns out to be novel sort of help. There's more to any situation than you imagine.

SCORPIO (Oct. 23-Nov. 21): Setback is or should be a rare exception from which you learn a great deal and rebound with even stronger motivation and morale.

SAGITTARIUS (Nov. 22-Dec. 21): Concentrate on the reasons why things are as they are and what you plan to do that will make them better.

CAPRICORN (Dec. 22-Jan. 19): See the moment of relative austerity in perspective. Realize that better times and higher achievements are earned by hard work and thrift now. Change is on the way.

AQUARIUS (Jan. 20-Feb. 18): Reason and system enjoy a field day. For once everything seems to work smoothly.

PISCES (Feb. 19-March 20): Review your position and make an added touch to improve or defend it. Everybody else is watching to see how you thrive.

Dedication At St. Paul's

The dedication of new white altar paraments and senior choir robes took place during the world-wide Holy Communion service held Sunday at St. Paul's United Methodist Church. The Rev. Ralph Dower, pastor, officiated at the dedication and administered the sacrament of Holy Communion.

The altar paraments were presented as memorials to Ellsworth and Lillian Hartranft by their son and daughter-in-law- Mr. and Mrs. Robert E. Hartranft.

The light blue choir robes and white stoles were purchased through memorials to Walter Habel, Mrs. Edwin (Ruth) Charles Sr. and George Raudenbush, former choir members, and through gifts of individuals and church organizations.

U of P Student Named New Director of Bank

PHILADELPHIA (AP) — A 21-year-old University of Pennsylvania student has been named to the board of directors of Lincoln National Bank.

Lee Evan Tabas reportedly will be the youngest board member serving a bank in the state.

Tabas is completing his fifth year at Penn leading to degrees in business and mechanical engineering.

Tabas is the son of Daniel M. Tabas of Haverford, who is a member of the board of the Industrial Valley Bank and president of the Downingtown Inn and Golf Club.

The younger Tabas serves as president of a student exchange organization which arranges the exchange of college students from the United States to foreign countries.

Under this program, Tobas was employed at a commercial bank in Germany, during the summer of 1970, and at the Sony Corp. in Japan this past summer.

ALBATROSS HAVEN

DUNEDIN, New Zealand (AP) — A rocky spur at the end of the Otago Peninsula is the only part of a mainland in the world where the royal albatross nests regularly. Elsewhere it's on tiny lonely islands.

A public observatory is now being built near the South Island nesting place so naturalists will be able to observe the big sea birds more closely than anywhere else.

Choralairs Will Celebrate 25th Anniversary in 1972

The Choralairs of Hazleton will be organizing through the month of October to celebrate the Silver Anniversary of the group. Formed on Jan. 27, 1947, with seventeen members under the direction of Mrs. Elwood Jones, the non-sectarian group has among its past and present membership representatives of many professions who are bound together by their mutual love of music.

During their first year the Choralairs entertained for church groups and banquets, and in April 1948, presented their first major production. Because of its financial success, the group made a contribution to the local Crippled Children's Association. Through the efforts of the Choralairs, Fred Waring and the Pennsylvanians were brought to Hazleton in Feb., 1954, for the benefit of establishing a heart section at the Hazleton State Hospital.

In 1956, Mrs. Ann Kauffman took over the leadership of the Choralairs until 1966 when the present director, Miss Miriam Howells assumed the responsibility. In its 25 years of existence, the group has produced many shows and serenades with proceeds being given to such worthwhile community organizations as: Rotary International (Hazleton, Freeland & Weatherly Chapters); Kiwanis; Unico; Freeland Lions; and West Hazleton P.T.A., among others. During this period of time, profits from these shows, totaling nearly $12,000, were thus returned to the community through affiliation with sponsoring organizations.

The Choralairs meet on Monday nights at 7:30 p.m. at St. Peter's Episcopal Church, 46 S. Laurel St. Any adult who enjoys singing and would like to become an active member of this organization may attend a rehearsal to meet informally with the group. Formal auditions for membership are not required.

Hollywood Getting Own Film Festival

HOLLYWOOD (AP) — After 60 years as center of movie-making, Hollywood is finally getting its own film festival.

Except that it isn't called a festival. And it's not named after Hollywood. It's called the First Los Angeles International Film Exposition.

Over the years many a public-spirited citizen, as well as some publicity-seekers, have proposed that Hollywood follow the lead of Cannes, Venice, San Sebastian and others, and have its own festival.

It made sense, since Hollywood is the putative movie capital of the world.

The Los Angeles Festival, nicknamed FILMEX, had its origin in a tour by veteran director George Cukor. The Motion Picture Academy sent him to filming capitals of the world to investigate how countries submit their entries for the foreign-language film award. Cukor learned much about film festivals in his travels.

What good do festivals accomplish?

Their adherents argue that festivals reward film excellence by honoring past accomplishments and recognizing present ones. Selection by festival boards brings prestige to a film and, sometimes, greater receipts in the world market.

"The founders realized from past experience that festival plans had failed because backing was not wide enough," says Gary Essert, FILMEX director. "So all of the major organizations in the film community were contacted—the academy, the American Film Institute, the County Museum, the Harold Lloyd Foundation and the film schools of UCLA, USC and Cal-Arts.

"All were hesitant to make the first step. Finally the academy said 'Yes, we will participate if you can get four other organizations.' Then all the others fell in line."

It couldn't be called the Hollywood Film Festival because a local promoter had been using that title. The board of trustees, who include Cukor, Norman Corwin, Walter Mirisch, Rosalind Russell, King Vidor and critic Arthur Knight, decided to broaden the geographical base and name it after Los Angeles.

But the Nov. 4-14 event will bear the unmistakable stamp of Hollywood. FILMEX showings will be at the Grauman's Chinese Theater.

"We'll show approximately 17 new films and 17 vintage films, some of which will be followed by symposiums featuring the film makers," said Essert. "We will also have a program of student films and another of animation, as well as two children's shows."

Unlike most other festivals, FILMEX will be noncompetitive—no prizes given. Budget is $150,000 and the sponsors believe the affair will be self-supporting.

Sergeant Major Now At Base in Germany

Army command sergeant major Nicholas A. Biacco, son of Mrs. Frances Biacco, Rr. 768½ Alter St., recently was assigned to the Second Armored Cavalry Regiment near Nurnberg, Germany.

Biacco holds three awards of the Bronze Star Medal, one for heroism. He also holds two awards of the Army Commendation Medal.

Biacco's wife, Mathilde, is with him in Germany.

Quarterly Subsidy To Be Paid Schools

HARRISBURG (AP) — The Department of Education announced Monday it would pay about $39 million, or 20 per cent, of the first quarterly subsidy to public schools Oct. 7.

Education Secretary David H. Kurtzman said $136 million would be paid Oct. 29 and the remaining $19 million by Nov. 30.

The first payment in the new fiscal year normally is made in August but was held up this fall because of the state's budget crisis. Subsequent payments usually are mailed in November, February and May, but Kurtzman said these payments also may be held up.

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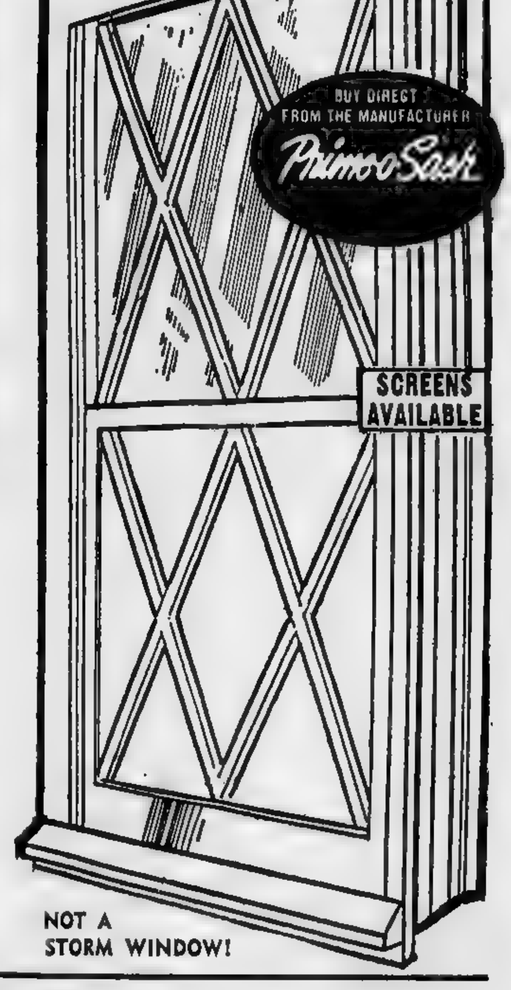

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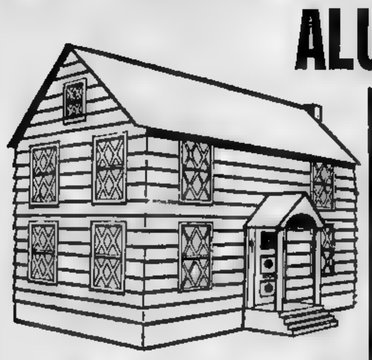

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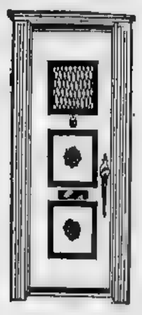

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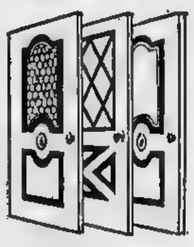

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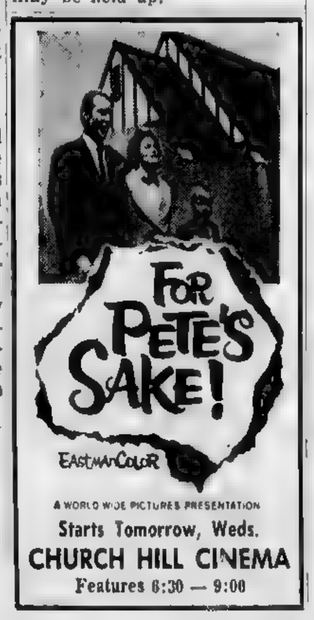

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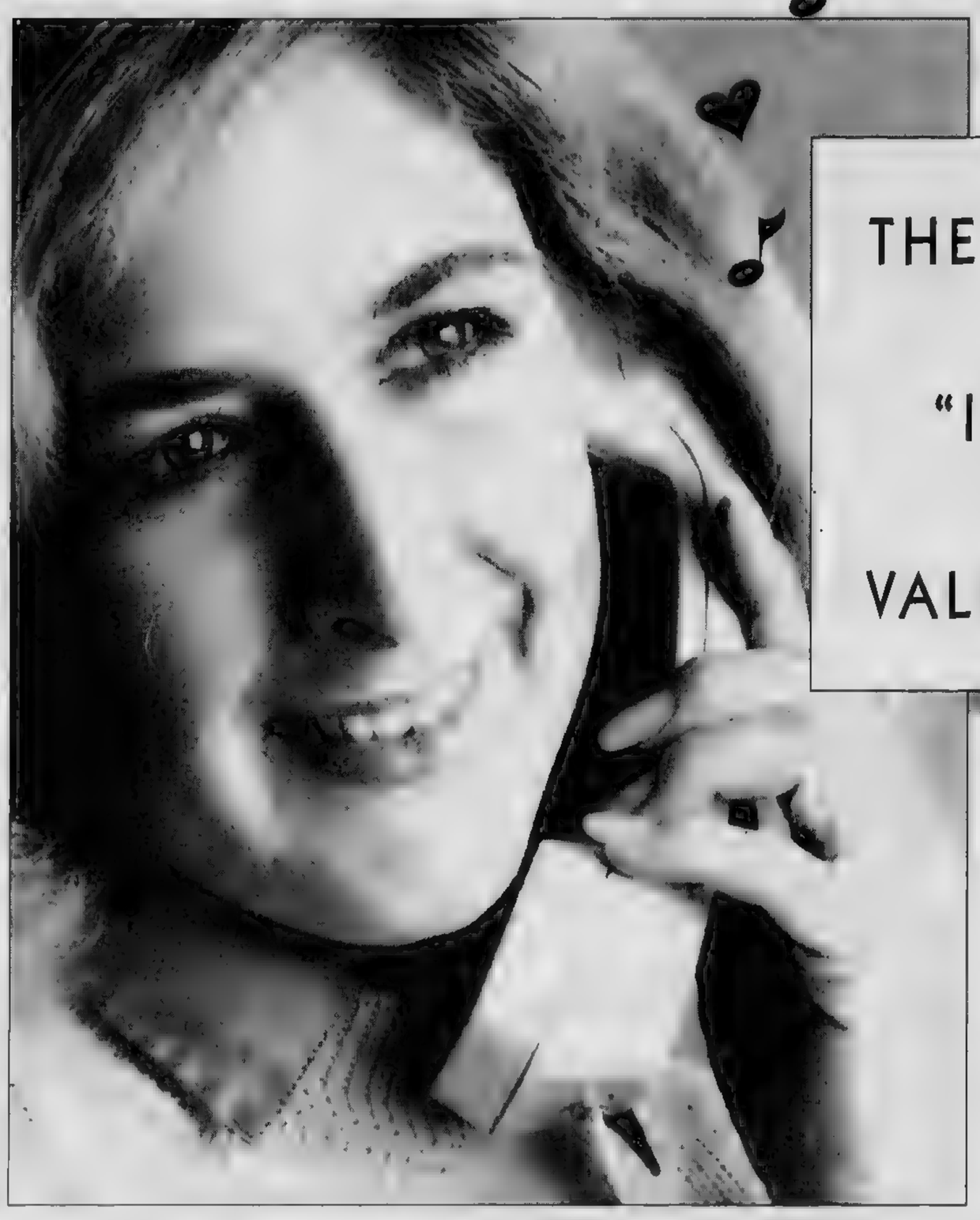

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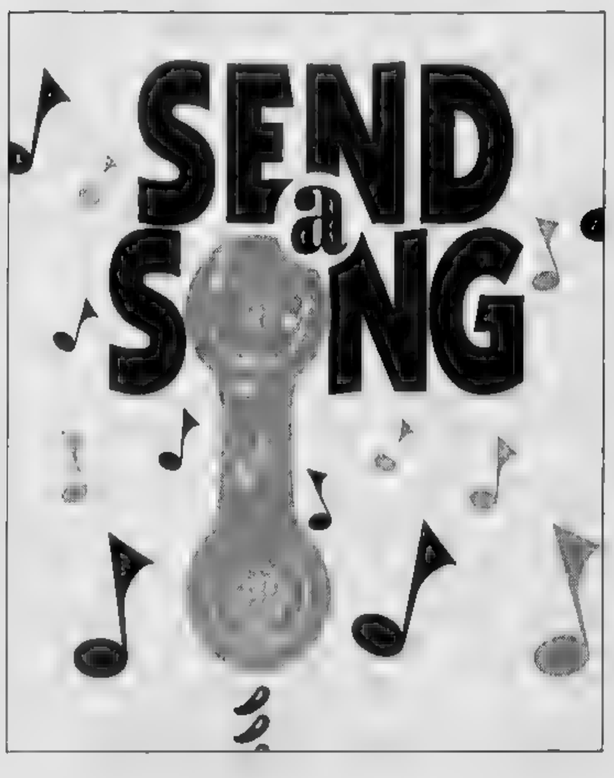

Song List

2001 I Just Called to Say I Love You • *Stevie Wonder*
2003 Nobody Does It Better • *Carly Simon*
2004 I Had to Say I Love You in a Song • *Jim Croce*
2016 That's Amore • *Dean Martin*
2017 You Are So Beautiful • *Joe Cocker*
2033 Endless Love • *Diana Ross*
2039 Woman in Love • *Barbra Streisand*
2042 Unforgettable • *Nat King Cole*
2045 Unchained Melody • *Righteous Brothers*
2049 It Had to Be You • *Harry Connick, Jr.*
2057 How Sweet It Is (To Be Loved By You) • *James Taylor*
2062 You Light Up My Life • *Debby Boone*
2078 Have I Told You Lately (That I Love You) • *Rod Stewart*
2091 I Honestly Love You • *Olivia Newton John*
2095 My Funny Valentine • *Johnny Mathis*
2099 I Will Always Love You • *Whitney Houston*
2506 Could I Have This Dance? • *Anne Murray*

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John T. Draper, known as Captain Crunch, went to prison for his telephone hobby.

Capt. Crunch is 'phone phreak'

By TIM REITERMAN
Associated Press Writer

SAN FRANCISCO — Not many people go to prison for pursuing a hobby, but a passion for playing with exotic telephone equipment has finally put Captain Crunch in the slammer.

"It's a hobby, like CB radio — it's diddling around," the electronics whiz kid says. "Why do I do what I do? To hear a call go through, to hear all that telephone company equipment work for you, that's what you're after. Chirps, bells and tinkles."

CRUNCH, WHOSE given name is John T. Draper, reflected without regret about his hobby just before driving south to the federal prison at Lompoc, Calif. He started serving a four-month sentence Oct. 4 for defrauding Pacific Telephone Co. of $30 worth of long distance calls.

Draper, 32, has been a legendary member of the mischievous "phone phreaks," whose shenanigans and illegal long distance calls have made them natural enemies of phone companies around the globe.

Phone officials hope that his conviction, and 122 other toll fraud convictions last year, will deter phreaks and others from cheating the phone company out of an estimated $1-million in calls each year.

"The phone phreaks say they're just out for thrills, but you can say the same about a bank robber," says Joe Doherty, director of corporate security for American Telephone and Telegraph Co. "He likes to hear the alarms go off . . . but the end result is the same. A bank is robbed. These people are stealing."

The essence of phone phreaking is the imitation of electronic sound signals which trigger phone company equipment, allowing calls to be placed and routed without charge.

FOR ALL PRACTICAL purposes, the phenomenon has its roots in a cereal box. In the late 1960s, it was discovered that Captain Crunch cereal contained free plastic whistles that produced a tone of 2600 cycles per second. That frequency was a key to making a phone work for free.

Draper, with the scraggly black hair and horn-rimmed glasses of the proverbial mad scientist, learned this and other fascinating secrets after meeting a blind phreak in an accidental phone encounter.

"Then I ran into Denny, who said he had 27 ways to make free phone calls," he recalled. "Denny invited me to meet his friend Jim, who told me he would make a free call by playing certain tones on an organ into a phone.

"I told him he was crazy because I didn't think the phone company was dumb enough to have a system so easy to break into. Anyway, Jim blew my mind. He dialed an 800 (toll free) number and hit an E above middle C on the organ. All of a sudden, the 800 number disappeared with a clunk. I heard a white noise, a hissing, then he used the organ to key out the number I wanted. It worked."

Draper, with electronics training in the Air Force and San Jose City College, went home and fabricated his own organ to imitate phone signals. He fashioned a "Blue Box" a device which succeeded Captain Crunch whistles as the most prized possession in "phreakdom."

"THAT STARTED me phone phreaking," Draper said with undisguised glee. "First, I called all my friends. Then, I thought, 'Wow! Here I am with the phone company at my fingertips. Free.' "

Now using a Blue Box to make free calls is a violation of federal law, punishable by up to five years in prison and $1,000 fine.

Crunch boasts of many elaborate phone feats unsanctioned by Ma Bell.

One call, he says, was routed around the world clockwise a few times, from San Francisco to London to Sidney to San Francisco, then around the world counter-clockwise a few times, covering the equivalent of half the distance to the moon.

He describes another experiment in a room with two phones, using one to call around the world to the second. "About eight seconds after I answered one phone, I listened on the second phone and heard myself answering the first phone," he said. "It took my voice that long to travel around the world."

In Draper's realm, information is power. New information, he says is virtually controlled by about 10 super phreaks who reside in San Francisco, Seattle, New York, Los Angeles, Philadelphia, Miami, Denver, Hawaii, Ontario and Quebec, Canada.

ADDITIONALLY, HE says, there are numerous lower-echelon phone buffs as well as an estimated 10,000 Blue Box owners who have varying degrees of expertise in placement of free toll calls. They chat with one another and exchange information in conference calls on borrowed lines, using CB radio-type nicknames such as "The Cheshire Cat" or "Peter Perpendicular Pimple."

Last year, Draper said, he uncovered a way to use any telephone to tap virtually any telephone conversation in the country.

"I had stumbled onto the auto verify circuit," he explained. That is the circuit operators use to break into a conversation to tell a party that an emergency call is coming through.

Draper says phone companies have restricted use of the circuit to operator consoles. "But phreaks have told me they've used it to tap the FBI office in San Francisco, the Federal Communications Commission, the CIA and U.S. Customs, plus City Hall and the police here."

Doherty confirmed that the auto verify circuit was vulnerable in this area for a brief period last year.

CHARLES BATES, FBI special agent-in-charge here, declined comment on Draper's boasts, saying only: "We're always reviewing the security of our communications systems."

Crunch concedes the phone companies are finding ways to render Blue Boxes and their cousins, the Black Boxes, ineffective and are increasingly successful in detecting and prosecuting users

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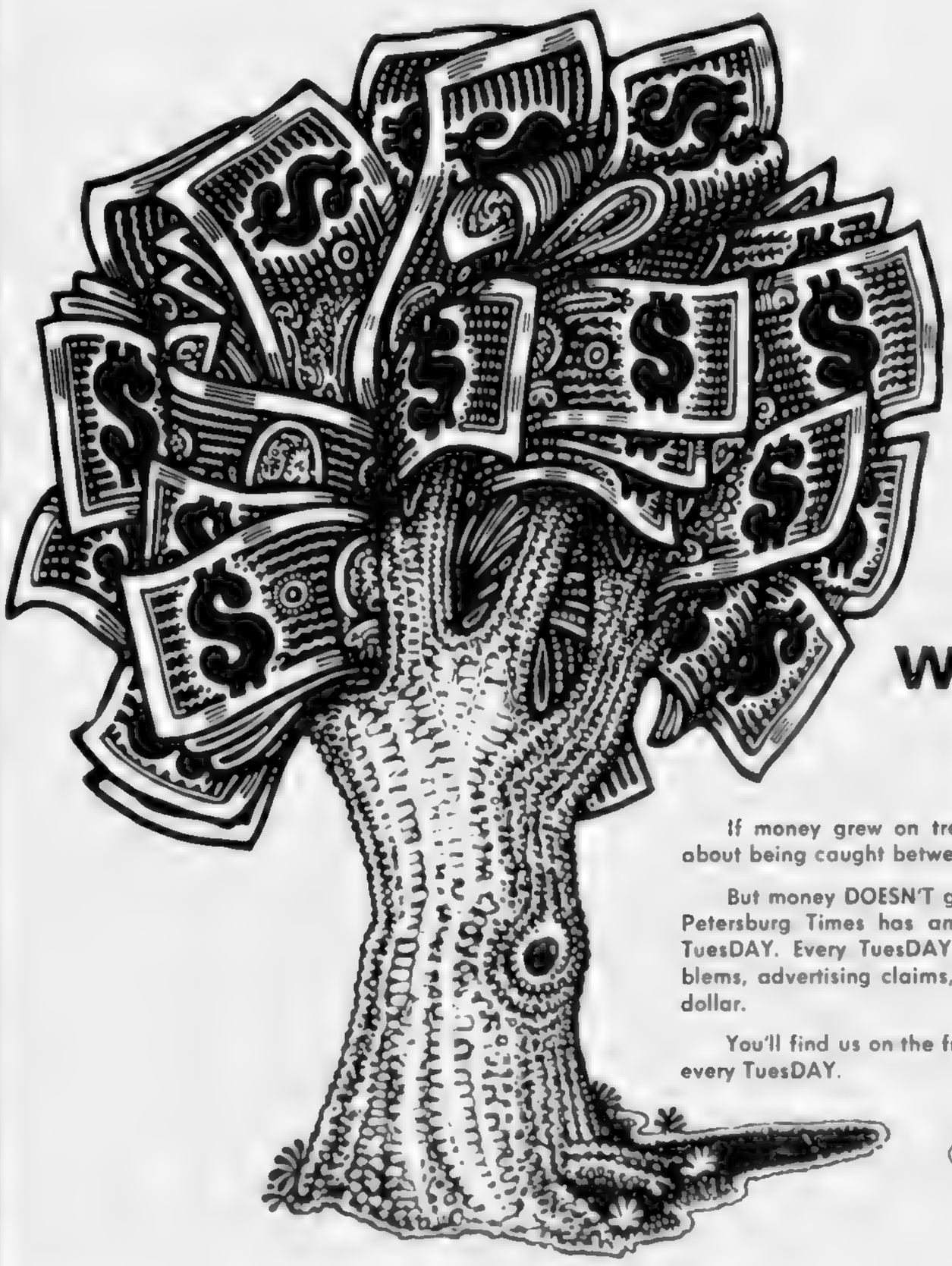
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Letter to the Editor

Spelling Campaign Evokes Comment

To the Editor:

Please print the following, which I have received as a result of my campaign for simplified spelling.

E. V. KRAUS.

My Dear Phriend

I recived your letter the day bephore Phriday. I regret to say that my wiphe's dog Phido has Phleas. I pheel that your phears about my phears will not be phul philled in any phoreseeable phuture.

Phrankly, the phour phreedoms oph the phreak administration in which we are phrying, phail to phurnish grounds phor any phevverish excitement. To phight or to be paciphic seems to be phundamental. We will suppher in this liphe and phorevermore.

Opinions dipher, but there is no saphety phrom phlood and phire. Phreak events are riphe.

Oph course these phew remarks are only phor phun to phorce your mind to phorget phor a moment the diphphiculties phacing you, and to encourge you in your spelling rephorm. I sincerely hope that you will phind success phorthfocing. Phight the good phight phor the phuture.

I trust this phinds you pheeling phine and that nothing adds to your dipphiculties in the phuture. So I will phinnish and aphphix my signature.

My regards to my phine phriend

Respectfully,

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By calling 1-800-ATT-GIFT, you can choose from a variety of popular songs, add a personal message to the ditty and then send the whole package to your Valentine. Warning: The songs do not feature the original artists.

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Exxon planning cutbacks

HOUSTON: Exxon Corp.'s domes-

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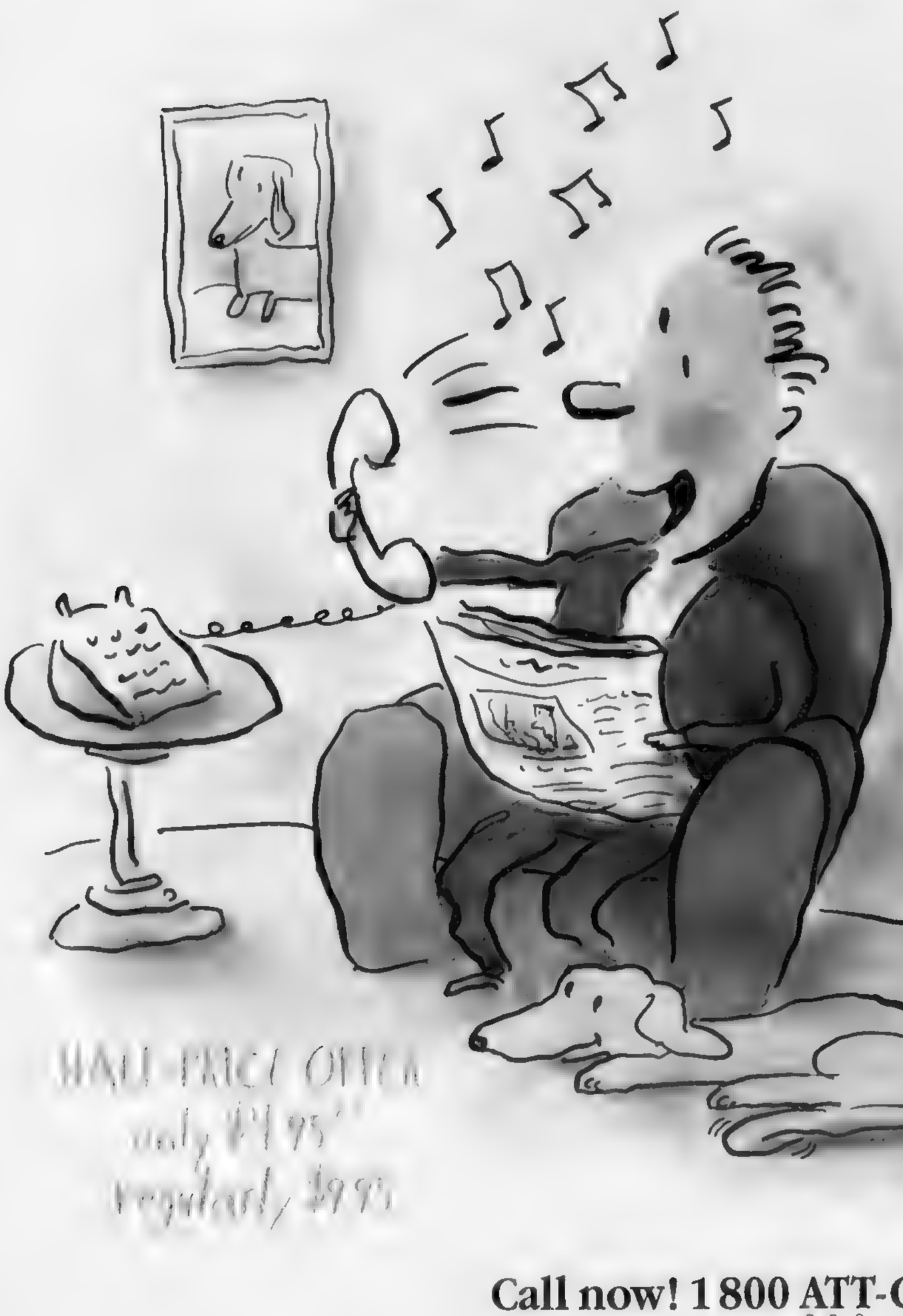

Now you can make this Father's Day even more special. Send Dad a great song* right over the phone — and record a personal message that tells him just how you feel in your own words.

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1021	Oh My Papa
1026	The Wind Beneath My Wings
1025	You're The Top
1040	Unforgettable
1023	Thank You For Being A Friend
1012	Young At Heart
1037	I'll Have To Say I Love You In A Song

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*Songs are recorded exclusively for AT&T and are not performed by original artists.
**Offer expires June 21, 1995.

AT&T

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'Phone phreaks' steal millions in free calls

By LEN ACKLAND
Chicago Tribune Service

"Sometimes I feel like a thief," said the Baltimore college student. "But it's not like I'm ripping off a little old lady out there."

He is a computer enthusiast known as a "phone phreak," one who specializes in stealing long-distance telephone service, an act he rationalizes by claiming that American Telephone & Telegraph Co., MCI Communications Corp. and other telecommunications companies can "write off their losses."

AT&T, the nation's largest phone company, estimates this computerized fraud on the Bell System amounted to $9 million last year, and MCI puts its annual loss at $5 million. Many firms refuse to provide details.

Although computer fraud is small compared with the $73 million in credit card or third-party billing fraud against AT&T last year and equals less than 1 percent of MCI's revenues, it is not ignored.

"THEFT IS THEFT," said MCI spokesman Gary Tobin, who is infuriated by phone phreaks' arguments that they are not hurting anyone. "In my mind, I can better justify someone stealing a loaf of bread to feed his family.

"It is frightening to see this fraud, because the whole world is going to be computerized, and this shows a lack of ethics," Tobin said.

Company officials say they vigorously pursue offenders, but they decline to provide numbers. Last year, the FBI investigated 3,755 wire-fraud cases nationwide, resulting in 525 convictions, according to agency statistics. During the first nine months of this year, 432 convictions were obtained.

Despite the prosecutions, the fraud continues.

"THERE IS MORE of this going on all the time," a company executive said. "Maybe it's because of the glorification of people trying to beat the system, like in 'War Games.'"

The element of challenge has been part of phone phreaking since the phrase came into being during the 1960s, when some people began developing "blue boxes" and other technology to exploit the computerized AT&T long-distance network. But home computers have simplified phone fraud considerably since the days when one blind man used his perfect pitch to whistle tones needed to enter phone company computers.

"It's very simple to hack out codes, if you know the tricks," said the college student, who agreed to talk about the subject in exchange for anonymity.

He said that although he could be considered a computer "hacker," he generally limits his manipulation of computers to the ones operated by phone companies. "I've never broken into banks or anything like that. It's too dangerous."

MA BELL WAS the original target for phone fraud, but the field has expanded in recent years with the cut-rate long distance services offered by MCI, Southern Pacific Communications' Sprint, Western Union's Metrophone and others.

Most of these services operate by having computer telephone switches in numerous locales connected to a nationwide network that can include transmissions over phone lines, microwave, satellites or any combination of the three.

To get into a network, a customer typically dials a local phone number for the computer switch. When the connection is made, the switch emits a tone and the customer punches in

(See 'PHREAK, page 15)

— Photo by Dispatch Correspondent Mary Otte

Festival singers

Four students from Winola Junior High School in New Windsor were selected to sing at the recent Illinois Music Educators Association District Festival at Rock Island High School. Practicing their selection, 'Song of Praise,' are: from left, Jennifer Gregg, 13, daughter of Mr. and Mrs. Gary Gregg; Angie Chapman, 13, daughter of Mr. and Mrs. Hollace Chapman; Douglas Woolam, son of Mr. and Mrs. Jack Palmer, and Brooke Shaw, 13, daughter of Mr. and Mrs. Jess Shaw, all of Viola.

5 years later, S.F. murders, Jonestown cases linger

By JOHN M. LEIGHTY
United Press International

SAN FRANCISCO — Legal cases linger on a half decade after San Francisco was shocked by the mass suicides of Jim Jones' Peoples Temple and the slaying of the city's mayor and a city supervisor.

On Nov. 18, 1978, the Rev. Jones, a former San Francisco Housing Commissioner, and 912 cultists were shot or drank poison in Guyana after the jungle airport slayings of Rep. Leo Ryan, D-Calif., and four others who had flown to there to investigate the religious group.

It was the end for Jones' Peoples Temple, a cult that had built up political clout in California and whose members even canvassed for the election of George Moscone as San Francisco mayor.

Within two weeks of the Guyana horror, Mayor Moscone and Supervisor Harvey Milk were slain in their City Hall offices by former policeman Dan White, later convicted of manslaughter in a jury verdict which caused a riot on the [illegible].

THE UNRELATED twin tragedies left the city in shock and mourning. Flags flew at half staff. There were memorial services and candlelight vigils.

Five years later the ghosts of both cases are still present in San Francisco, where the Peoples Temple was headquartered and where Moscone and Milk were popular politicians.

Although the $9.5 million in Temple assets have finally been distributed to 75 claimants — survivors and their families — there is still the unanswered question of how much the U.S. government was involved with the commune of Jonestown.

A suit dismissed on a technicality by the Supreme Court last month charged that mind-controlling drugs were experimented with at the Guyana compound with the "consent, knowledge and aid" of the Central Intelligence Agency. The $65 million lawsuit had filed in San Francisco federal court by several survivors of the Guyana bloodbath.

Larry Layton, a temple aide, still faces a possible second murder-conspiracy trial for the jungle airstrip attack on Ryan, the event which triggered the mass suicide of the cult at Jones' orders. Layton's first trial ended in deadlock in [illegible].

Prosecution material banned from the first trial, including "last hour" video tapes of Jones, will be permitted as evidence at the new proceeding under a ruling by an federal appeals court.

THE DEFENSE, on the other hand, has failed in numerous attempts to obtain classified government documents pertaining to Jonestown, where they said the CIA condoned "mind control" experiments using drugs and other techniques.

Layton's attorney Tony Tamburello said if the prosecution entered the "last hour" tapes as evidence, the defense should be allowed to unseal government documents pertaining to Jonestown.

"We still feel strongly that the government knew way ahead of time that bad things were happening in Jonestown and failed to act properly," said Tamburello.

THE CASE OF Dan White has also re-emerged in the legal [illegible].

White, whose "Twinkie defense" got him a relatively light manslaughter conviction when attorneys argued that he had been under severe pressures and was living on junk food prior to the killings, is due for parole in January.

He could, however, be re-prosecuted under federal civil rights laws for assassinating a person seeking political office. Both Moscone and Milk had re-filed for election just prior to their slayings.

A decision on whether to order such a federal trial — requested by Gov. George Deukmejian and San Francisco Mayor Dianne Feinstein among others — is in the hands of U.S. Attorney General William French Smith.

— Dispatchphoto by Adell Specht

Van for Winning Wheels

Don Robinson, Prophetstown car dealer, turns over the keys to a new van to Paul 'Doc' Yackley, adminstrator of Winning Wheels. The van will replace a 1972 van and will be used to transport Winning Wheels residents to school, doctors, and the hospital. Yackley said the center for disabled adults is holding a cash raffle with prizes of $500, $300, and $200 to raise money for the van. Tickets sell for $1 each or six for $5. The van will cost $18,000 and will be equipped with a wheelchair lift, tie-downs, raised roof and doorway. Donations for the van have topped the halfway mark, Yackley said.

Scholastic recognition

Northern Illinois U.

Eight students from this area were awarded degrees by Northern Illinois University, De Kalb, at August commencement ceremonies.

Awarded graduate degrees were Timothy James DePooter (M.S.Ed.) and Pamela Marie Leoni-Rittof, (M.A.), both of Rock Island, and Sandra Wilkens (M.S.Ed.), Morrison.

Graduates receiving bachelor degrees were Gregory Rhea Banse, Cambridge; Robert L. Guise, East Moline; Shaun Patrick Moores, Milan; Philip James Dabney and Cynthia Ann Watson, both of Moline, and Donald George Kilroy, Port Byron.

License to wed

Laverne J. White, Rock Island, and Cheryl L. Lambert, Rock Island.

Laurence A. Holland, Costa Mesa, Calif., and Victoria L. Stamos, Moline.

Troy F. Bland, Rock Island, and Colette Williams, Rock Island.

William J. Gilbert, Port Byron, and Kimberly S. Coe, Port Byron.

Duane A. Otto Jr., Rock Island, and Marcia E. Covemaker, East Moline.

Insecticides: *Stringent testing makes most products safe for all*

By LISANNE RENNER
Orlando Sentinel

In the battle against bugs, some people wonder if they're making an unhealthy trade-off: They don't like spraying poison in their home, but they prefer poison to bugs.

Fears about the long-term effects of bug sprays are generally unfounded, say toxicologists and entomologists, and insecticides properly applied are usually safe around children and pets, although precautions should be taken.

Nevertheless, the environmental movement and heightened concern for health have made people more suspicious of the chemicals sprayed in their home, just as they worry about pesticides used in agriculture and chemicals in processed foods. Researchers are constantly looking for natural bug poisons and repellents — bay leaves and cucumbers to repel roaches, for example — that people will feel safe using.

INSECTICIDES' reputation has been tainted partly because of chemicals such as chlordane, a common roach insecticide sprayed in thousands of Florida homes in the 1950s and later found to be carcinogenic. Although the U.S. Environmental Protection Agency banned chlordane in 1975, the chemical still lingers in older homes, though not at toxic levels.

Today, insecticides must pass more stringent approval requirements than in the days when chlordane was first used. Scientists say it is extremely unlikely that a home insecticide used today would later be found dangerous.

"The chemicals we have for use inside the house have never been shown to cause cancer or birth defects, so from that point we feel we have very safe materials," says Philip Koehler, an extension entomologist and University of Florida professor in Gainesville.

But even the stringent chemical testing is suspect because of incidents of testing fraud. Officials feared a public health disaster in 1976 when a major commercial laboratory falsified data from pesticide safety tests and its sloppy procedures were discovered. More than 200 pesticides had received federal approval on the basis of bogus data from Industrial Bio-Test Laboratories in Northbrook — household chemicals Baygon and diazinon among them. Only this past summer did officials announce that most of the pesticides — including Baygon and diazinon — are still considered safe because chemical companies have provided test results from other labs to replace the faulty data.

Approved insecticides that may be carcinogenic or pose other hazards are reviewed by the Environmental Protection Agency when they are targeted by organizations such as the National Cancer Institute. "There are several products that have new data that show they may cause cancer," says Koehler. "The data against them is very weak, so they haven't been suspended" from use. Of these pesticides, piperonyl butoxide is found in some household aerosol sprays for flying insects and DDVP is found in some aerosol roach sprays.

BUT THE COMMON household insecticides such as Dursban, diazinon and Baygon have been reliably tested and don't linger for a long time, the way such chemicals as chlordane do. "Most of the chemicals break down very rapidly and they're not stored in the body, so the chances of poisoning are very remote," says John Mulrennar Jr., entomology director at the Department of Health and Rehabilitative Services (HRS) office in Jacksonville, Fla. "Most of the chemicals they use now for rach conto will baey give yua month's ontrol — they break down that rapidly."

The main hazard with household insecticides is their improper application, officials and industry representatives agree.

Because the effect of poisons is related to body weight, "you have to take more precautions with children," especially preschoolers, says Koehler. Young children should be out of the house while the insecticides are being sprayed, and the children should be kept off sprayed surfaces until the surfaces are dry, he recommends, adding that "we have not had any problem with children contacting sprayed surfaces and being poisoned — ever."

Taking a more cautious approach, University of Kentucky toxicologist H.W. Dorough says it is not a good idea to spray homes at all where infants crawl around the floor. "It would take an extremely bad infestation to make me want to spray my home with an infant in there," says Dorough.

PEST-CONTROL companies usually apply spray in cracks, safely away from children and pets, says Paul Meyers, a supervisor at Meyers Pest Control in Orlando, Fla. Chemical doses needed to kill roaches — which may weigh 1 gram each — are not potent enough to harm small pets or children, which may weigh several pounds or more, says Meyers. "The risk of accidential poisoning is zero," he says. He doesn't think it is necessary to put children outside while a house is being sprayed, but "if someone is concerned enough, go ahead and take that precaution," he says.

A "small percentage" of people may have allergic reactions to insecticides, ranging from minor illnesses to serious debilitation, says James Roelofs of the EPA's pesticide division. Symptoms could include dizziness, headaches, nausea and difficulty breathing.

Some of these symptoms, especially headaches, could be caused not by the insecticide itself but by the petroleum distillate mixed with the insecticide, says toxicologist Dorough. Most insecticides are petroleum-[illegible].

Pets are usually safe from insecticides applied in the proper strength, but they can become ill or even die if a homeowner douses a home, lawn and pet with insecticides all at once. Cats are especially susceptible.

"WE HAVE seen cases where pet owners have a bad flea problem and they're going to wage an all-out war on the fleas. They spray the yard and home with organophosphate (an insecticide) and also put it on the pet. They also use carbamate an insecticide and the pet can have a toxic reaction," says Marc Hall, president of the Central Florida Veterinary Medical Association. If pet owners treat their home and lawn with pesticides, they should consult their veterinarian to make sure that the pesticides are compatible with any other pesticides being used directly on the pet, Hall says.

The roach-killing boric-acid powder that some people sprinkle around cupboards and closets as an alternative to sprays ironically can be more harmful than sprays, says toxicologist Dorough. If swallowed, boric acid can seriously damage a pet's kidneys.

If a pet is poisoned, symptoms could include vomiting, diarrhea, excessive salivation, difficulty in breathing and constricted pupils.

Chemicals used on lawns — diazinon is the most common — are more potent than indoor insecticides, and the potential for pet poisonings are greater, says Dorough. Directions for most lawn pesticides say to water the lawn well after applying the pesticide and then to let the lawn dry before allowing pets and children on the la[illegible]

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— Photo by Dispatch Correspondent Lonette Carlson

Cambridge medalists

Cambridge eighth-graders Sheila Taylor, left, and Chris Godsil, are busy putting another first place literary medal in their scrapbooks. The two girls have participated in Illinois Elementary School Association's Literary Contest the past four years and have placed first every year. They are the daughters of Mr. and Mrs. Bill Taylor and Mr. and Mrs. Matt Godsil, all of Cambridge. This year's contest was Nov. 5 in Tampico.

Big Sochi beach Soviet showplace

By DONALD KIMELMAN
Knight News Wire

SOCHI, U.S.S.R. — Welcome to Resort Polyclinic No. 1, one of the biggest and most popular beaches in this resort city on the Black Sea.

Sun, surf, sand (actually mostly smooth stones), macho guys and bikini-clad girls — all familiar territory. But what to make of those nurses in white uniforms striding purposefully among the prostrate sunbathers? Or those three elevated sun decks that jut out into the sea and are grimly advertised as "zones of strict medical control"?

And what of that large black scoreboard, visible from everywhere on the beach, that gives up-to-the-minute information on air and water temperature and instructs members of the three classes of bathers exactly how many minutes of sun, shade and swimming they are permitted on this warm and humid morning?

Spend a few days in Sochi and it all will begin to make sense: Hedonism Soviet-style is not an art but a science.

That month spent away from the factory and down at the shore is too valuable to be squandered aimlessly. As in so many aspects of Soviet life, a plan is required — a plan to provide each worker with the maximum amount of healthful rest and thus renew his or her energy for the coming year.

MOST OF THE 90,000 people with special passes who are accommodated in official establishments on a typical summer day do not live in hotels or boarding houses, but in sanitariums — some of them so grandiose and ornate that they are easily comparable to exclusive spas for the very rich.

For about $2 a day, those vacationing workers receive accommodations within walking distance of the shore (one hillside sanitarium has its own cable car), three meals, free medical treatment and free access to the Matseста sulphur springs.

At the springs, as many as 18,000 people a day soak themselves in malodorous sulphur baths, inhale sulphur gas and even submit to sulphur enemas.

Some of these people actually are quite sick. But most are not; they have a host of minor ailments — as many people do when they reach middle age — and come here to keep matters in check.

"Ours is not a sanitarium in the Western sense," explained V.N. Sarkmakeshev, director of the palatial, neo-classical Metallurg Sanitarium, so named because it originally was built for steelworkers. "Our patients are practically all capable of working, and our aim is to prolong their working life.

"HERE PEOPLE combine the pleasant and the useful. They are enjoying themselves and they are improving the condition of their health."

(See *RESORT, page 16)

— Photo by Dispatch Correspondent Joanne Carlson

Pigs 'n blankets

Sandy McDowell, left, warms up the skillet, while Pam Elker pats out a whole-hog-sausage patty for the Clover Township Women's pancake breakfast and bake sale. The event will be held from 6 to 9 a.m. Nov. 19 at the Woodhull Fire Station. The all-you-can-eat breakfast will cost adults $2.50, children under 12, $1.50, and preschoolers 75-cents.

Three years on death row, 3rd trial looms

By LUCY BIGHIA
United Press International

LINCOLN, Neb. — Three years on death row in the Nebraska State Penitentiary and two murder trials have taught Charles Jess Palmer to be patient.

Monica Zimmerman, the wife of the man he is accused of killing, said it seems the courts have been too easy on Palmer.

"It's hard, I had to learn it," Palmer said in a recent prison interview. "I just got to take one day at a time, just see what this next trial, what it is."

Palmer, 44, was sentenced to die after his August 1980 first-degree murder conviction in Hall County District Court in the 1979 slaying of Grand Island coin dealer Eugene "Zimmy" Zimmerman, 59.

PALMER WAS convicted of beating and robbing Zimmerman and strangling him with an electric cord.

The Nebraska Supreme Court ordered a new trial because there was no way of knowing whether three prosecution witnesses were influenced under hypnosis.

Palmer again was found guilty in June 1982, and again was sentenced to die in the electric chair. The high court last month ordered a third trial, saying Palmer's estranged wife should not have been allowed to testify against him.

Cheri Palmer had filed for divorce in Texas just before the second trial, but the high court ruled they still were married when she testified.

The state has asked for a rehearing.

"THE LAW IS the law, it's fair and just," Palmer said the day the high court ordered a third trial. "They (Supreme Court judges) have to go by it, and Hall County has to go by it."

Mrs. Zimmerman has a different view of the law.

"I think the system has gone too far overboard to protect the rights of the criminal, to the point where it closes its eyes to the innocent," she said in a telephone interview.

She said the system has been too lenient in dealing with Palmer.

"Had it not been for the previous murder and previous trials my husband would still be alive today," Mrs. Zimmerman said. "It was the fault in our criminal justice system which freed this murderer ... to kill again, and my husband was the one who had to suffer."

FBI records show Palmer was arrested in April 1974 and tried in Miami on charges of first-degree murder and robbery. A jury acquitted him on both charges.

PALMER SAID — he is not entirely happy with the system himself.

"It seems that, when a guy is in, (the system) is very fast to get him into prison but very slow to get him out ... they have set me here for this period of time, with this over my head, when they shouldn't have ... I've always claimed my innocence and I feel they know that I'm innocent of this, but they have, they've done it twice," he said.

Palmer said his religious faith has helped him to keep hoping.

Hall County Attorney Stephen L. VonRiesen, who handled Palmer's second trial, estimated that trial cost the county about $25,000, and that a third probably would cost at least as much.

Palmer, who has children living in Florida, said he would like to return to that state and take up Greyhound racing, counseling and lecturing if he is released.

"I would like to work against the death penalty," he said. "I have lived on death row. I think I've got something to tell those people what death row is like."

*Phreak

(Continued from page 14)

a password code consisting of several digits or symbols or [illegible].

Because the local switch numbers for the companies are published and readily available, the phreak's goal is to get the password code.

The Baltimore student bragged that, using his computer, he could "hack out" 20 password codes in half an hour on one particular company's system. Asked about the claim, a company executive said, "He's probably the one guy we're looking for."

Electronic "bulletin boards" are also a source of passwords, the student said. He said hackers often put their illicitly obtained passwords on these boards so they will be used by people around the country, complicating a phone company's efforts to locate the main culprit.

ASKED IF HE HAS ANY qualms about the fact that another person will be billed for the calls the hackers make, the student said no. "My family uses a couple of long-distance services, and when something is on the bill that we didn't make, there's no problem having it taken off.

"Another thing," he added, "if I get a code, I only use it for a couple days — a week, maximum.

"The system's there; it's very easy to use. No doubt about it, the companies should have tighter security." He said use of longer password codes is one remedy the phone firms could consider.

Some security considerations will be resolved next September, when the equal access provision of the AT&T break-up plan is to be phased in. When that happens, customers of non-AT&T long-distance services will no longer have to dial a local number and password code to gain access to the networks.

"At that point we will know that the call came from your home, no matter what code you put in," a company official said.

License to wed

Larry E. Stacy, Davenport, and Deborah L. Dillie, East Moline.

David Alan Wright, East Moline, and Jolene Woolverton, Bettendorf.

Kent Alan Saathoff, East Moline and Wanda Loralee Roberts, East Moline.

William A. Taylor III, Dayton, Ohio, and Merry M. Whitley, Rock Island.

Howard G. Keel, Moline, and Donna J. Bryant, Moline.

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Ralph Cornes on why Information Management doesn't work and the Data Protection Act is wasted

The Smiley's Circus of unsecret files

IT IS 10 or 15 years since the emphasis in commercial computing changed from the processing of data to the provision of information, with the change marked by a change in vocabulary. Data Processing (DP) departments became Management Information Service (MIS) departments, consultants began to talk about information as an Asset and glossy journals started printing articles about The Information Society. Considering all the noise and column inches, it is rather surprising that no one has bothered to define it.

It is not defined by consultants who write reports about the advantages of information management and the costs of not having it, nor by the DP manager who is setting up an information centre. Nor, incidentally, is it defined by the Data Protection Act which seems to assume that data and information are the same — a bit like saying the works of Shakespeare and the OED are the same because the words of one are found in the other.

Nobody bothers to define information because everybody assumes he or she knows what it is — the stuff you find on messages and keep in files. So all assume they are managing information by managing the messages and the files. They are wrong.

The important consequence of the lack of a definition is that we cannot even begin to develop answers to the two main questions about information that are too important to be left to the IT technicians and the administrators. Namely, who owns a particular piece of information, and what are the right and proper limits for its use.

The basic premise of Information Management and the Information Society is that information originally gathered for one purpose can be used for lots of other purposes. This has obvious advantages. Additional applications cost nothing except the cost of development. There is also an enormous administrative bonus in having everyone operating on the same information instead of the incompatible information which historically they have all individually compiled.

Finally, solutions to knotty problems often become apparent as a result of new insights, when it becomes possible to associate information in one massive database (DB) with that in another.

The drawbacks are equally obvious. Some information is private and confidential to a person, section or department. A personnel DB could contain details of health history, salary and references provided. The payroll, personnel and medical departments all have the right to access some of these details, and must be prevented from accessing others.

More difficult still, the personnel department might have need to access medical details to plan a company scheme for sick pay and convalescent leave, but it might have no right to use or even subsequently to remember the same details for other purposes. Similarly, trades unions often oppose the use of shop-floor feedback information on production to monitor the performance of their members. The question is: Who can use what information for what purpose?

Information is a collection of information elements which by accident, design, or history, happen to find themselves on the same message or in the same file. An information element is the smallest collection of data elements which have a meaning; it consists of a minimum of an indicative data element, and a quantitative data or logical indicator data element (e.g., male/female), and usually an implicit unit-of-measure date element. The questions of the ownership and the proper use of information have to be addressed at the level of the information element and not at the level of the file — as was the case with Smiley's Circus.

In a census return you might be embarrassed to be named as the occupant of a house without a bathroom. But if it were impossible to associate your name or address with this information, the information element that a household had no bath might safely be made available to all enquirers.

On the other hand, you might not be embarrassed to have your name associated with a length of residence in the same address. It is neither the census file nor the data element which needs to be managed, but every possible information element which can be derived or deduced from the data elements in the census file.

Information management in business, however, is invariably tackled at the level of the file. Ownership of all the information on a file is generally vested with the originator so that the question of its proper use never arises. The originator can use it for everything, and nobody else can use it for anything without permission, again as in Smiley's Circus. Effectively, the IT technician has decided not to allow information management into the organisation.

Until the ownership and proper use of information are decided at the level of the information element, any higher form of information management and most legislation on security and privacy is wasted. The Data Protection Act, for instance, gives you the right to check your record on any machine-readable DB. You must not, however, ask how you are supposed to know that it is there in the first place; nor what to do if it not there and you suffer damage by *absence* — say from a file of credit-ratings

Once information ownership and its proper use are addressed at the level of the information element it is possible to see a structure for the mechanics of information management. An information directory of all information elements could contain the owner's ID and the access code required for non-owner use. An information system could then provide general and ad hoc information without destroying the basis of privacy and security of information.

Who should decide these parameters is not an IT decision. The same control mechanism, with different parameters, will serve equally a decentralised plutocracy or a centralised bureaucracy, a dictatorship as well as a democracy. However, it is important to have some debate, for within five years most of us will be going onto some DB or other 10 or 15 times a week — and many of us would like some control over the use made of the information generated by our activities.

Modern menaces attack authority with computers and their mis-users guide. Simon Sheppard reports

When hacking turns to anarchy

ANARCHY seems to be growing in popularity. Look in any "alternative" bookshop and you will find an assortment of anarchist literature from an ever-changing body of titles such as Class War, Stuff It and The Brighton Bomber. Some of todays anarchists, able to transcend the mere chant of "Smash the State," are turning their attention to computers.

Now available in Britain are copies of the American Hackers' newsletter *2600* — by far the most direct and single-minded computer anarchist publication. The latest issue, for example, features an extensive treatise on "Violating a Vax."

The article includes examples of many of the techniques available to the computer anarchist. Most extensively discussed is the method known as the Trojan Horse, by which an unobtrusive program is slipped into the files of a user who has access to system privileges. If the code is placed in a log-in file, for example, the hidden code is run when the unwitting user next gains access to the system. The Trojan Horse masquerades as part of the log-in procedure and executes to grant special privileges to another less privileged uaer. It then deletes itself to remove all trace of the alterations made.

The largest problem with this method is actually installing the "horse," though in all but a handful of systems this may not pose any real difficulty. A refinement of the technique is to merely install a pointer to the illicit code, or to tuck the code away in compiled, machine language form complete with an unobtrusive sounding name. Both ploys make chance discovery of the Trojan Horse less likely.

A rather more direct technique for gaining unrestricted access to a computer system is to employ a Password Grabber to simulate the log-in procedure on an unattended terminal. To quote *2600*, the "unsuspecting dope then enters his username and password which are then written to some useful location for later retrieval."

The Password Grabber may deceive the "dope" that some mythical error has occurred, or continues to operate, passing each command directly to the operating system. In either case the bonafide user remains completely unaware that his every movement is being monitored by an alien program.

The full might of the computer anarchists' arsenal becomes apparent with the outbreak of a virus, alternatively known as a worm. The main purpose of most strains of virus (*2600* includes a fully worked example written in VAX/VMS) is to replicate themselves. The virus becomes a monster, ever growing in size, consuming large amounts of disc space and taking increasingly greedy gulps of processing power. Viruses may also be programmed to try to infect other computer systems connected to the host computer through networks.

In the words of the newsletter's anonymous writer: "A good virus does something slightly more interesting, like plant a small bomb in the system to go off after some time period or after some event occurs, or burn a hole somewhere so that a certain command will do something else, or insure that a certain username will always work or dedicate all system resources to calculating the millionth digit of pi — you get the idea. It can do anything".

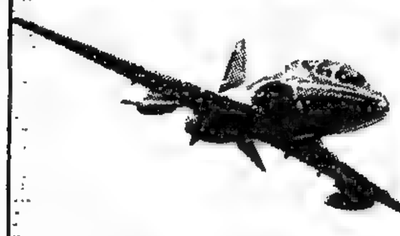
Another article covered the Pick operating system. Pick is growing in popularity as a multi-user system suited to data retrieval applications, but it is almost embarrassingly easy to back. Details were given on how to break into the system in order to peruse data, how to crash the system and how to "destroy and render useless" an entire Pick data bank with a simple one-line command. It seems that, in their current state of development, many multi-user operating systems are highly insecure and extremely vulnerable.

The newsletter also covers "phone phreaking," or subverting digital telephone networks. However, the information is not relevant here as much of the British phone system is made up of old Strowger mechanical relays. Telephone hackers in the UK have to be content with a circuit published in censored form in the relatively tame Hackers' Handbook.

It is unusual to see an expression of the motives of the new-age anarchists in their publications devoted to technology. The political motivation is normally assumed from the mainstream anarchist press, from Stuff It's "The single most obvious emotion in the anarchist press is anger" to the classic Class War piece "Why I Hate The Rich."

While the motives of the leather-clad anarchist can be difficult to define, those of the technological variety are more straightforward. The overwhelming motivation of the computer anarchist is to see egg on the face of authority.

Software, Hardware, Systems Engineers & Technicians



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Contrast in musical styles by youth orchestra

by Peter Palmer

A CONTRAST in musical styles was provided by the Notts. County Youth Orchestra in their Albert Hall concert last night.

After the overture to Prince Igor, by the Russian Composers' Union, Linda Rhodes and Julian Shaw were the soloists in Bach's D minor concerto for two violins.

Taking the lead in turn as they traced their parallel paths, they attained a good measure of feeling, most notably in the largo.

The other strings seemed barely adequate, possibly because of the distance between them.

Atmosphere

The full orchestra created a splendid sense of atmosphere in Stravinsky's ballet suite "The Bird of Fire," and the syncopated dance was full of wizardry.

Sebelius's Second Symphony has been described as provincial, but that says a lot for the provinces. Bassoons and flutes were at their best in the scherzo, with the solo oboe securer the second time round.

Massive waves of sound carried the symphony to an exultant conclusion.

Muir Mathieson — unstinting as ever — wielded the baton.

Walkout by foundry men

Twenty foundry loaders at the Clay Cross Company at Clay Cross, Derbyshire, walked out yesterday over a pay dispute.

The men, members of the General and Municipal Workers' Union, want a weekly wage of £30, a rise of about ten per cent. The company manufacturers cast iron pipes with a labour force of 800.

Mr. John Jackson, the managing director, said yesterday the situation was "delicate."

Closure angers union official

The entire work force — 40 workers and seven members of staff — at a Nottingham sheet metal firm have been told the factory is to close on May 26.

The redundancies at Eros Wings, of Willow Road, Lenton, has angered the local branch secretary of the General and Municipal Workers' Union Mr. Harold Hickling, who criticised the short notice and lack of consultation.

Bow Group chief

Marketing manager Mr. Peter Lloyd (34) has been elected chairman of the Conservative Bow Group. Mr. Lloyd is prospective Parliamentary candidate for West Nottingham and former chairman of Cambridge University Conservative Association.

Busy Samaritans

Twice as many calls have been made to the Leicester branch of the Samaritans organisation since the BBC started its television series "The Befrienders," based on their work, last month, a Samaritans spokesman said yesterday. He said the number of volunteers had also increased.

Dog catcher wanted

The urban council at Wigston near Leicester is being asked to employ a dog catcher. The request has been made by the Wigston and District Canine Society which claims that the town has the highest proportion of stray dogs in the county.

Weather

For 24 hours from 6 a.m.

General situation — Pressure will remain high to the south-west and low to the north-east of the United Kingdom, and a weak trough of low pressure is expected to approach north western areas later.

Nottingham and District: After clearance of early morning mist patches and ground frost, it will be dry and fairly sunny. Maximum temperature 14C (57F). Winds, light or moderate, north-westerly.

Lincolnshire coast: Sunny intervals, but a chance of showers in the afternoon or evening. Winds becoming fresh, north-erly.

Further outlook: Mainly dry and sunny intervals. Rather warm.

Lighting-up times

Today: 8.32 p.m — 5.38 a.m.
Tomorrow: 8.34 p.m — 5.36 a.m.

WORLD WEATHER
World weather conditions during the past 24 hours.

		C	F
Paris	cloudy	14	58
London	drizzle	15	59
Berlin	sunny	17	63
Amsterdam	overcast	12	54
Brussels	clear	14	58
Madrid	sunny	21	70
Moscow	overcast	14	58
Stockholm	fair	10	50
New York	cloudy	10	50
San Francisco	clear	14	58
Los Angeles	cloudy	19	67
Chicago	clear	22	72
Miami	clear	27	80
Tokyo	clear	18	65
Hongkong	cloudy	25	77
Buenos Aires	clear	26	79
Montreal	rain	4	40
Honolulu	clear	27	80
Toronto	cloudy	12	54
Rio de Janeiro	clear	32	90

'PHREAKING ROUND THE WORLD' COSTS STUDENT £400

AN OXFORD student was fined a total of £200 with £200 costs yesterday for making international telephone calls by the "phreaking" system.

Some of the calls were to Moscow, Melbourne, and Washington, the prosecution said.

Duncan Campbell, a physics student at Brasenose College, pleaded Guilty at Oxford magistrates Court to two charges of dishonestly using the telephone system with intent to avoid payment. He asked for five other offences to be considered.

Mr. Russell Harris, prosecuting for the Post Office, said Campbell was the first person in Britain to be prosecuted for using the device.

Mr. Harris said the "blue box" used for "phreaking" was an American invention. In this case the only difference was a dial on the box instead of buttons.

'Blue box'

The illegal system took over by using certain code sounds produced with the "blue box" simulator.

In the early part of February it became obvious that calls were being made from Oxford which were passing through irregular routes.

Post Office investigators plotted these and it was discovered they were being made from two telephones in St. John's College.

The calls, said Mr. Harris, were being made to various places, including Moscow, Melbourne, and Washington, Virginia and Los Angeles in the USA.

The two calls in the court charges concerned one to a "place of ill-repute on Sunset Boulevard, Los Angeles, and the other to a man called Vladimir in Moscow."

NARROW WIN FOR LABOUR IN MERTHYR BY-ELECTION

LABOUR'S narrow win in the Merthyr Tydfil by-election early yesterday seems to prove that current Government difficulties — especially on the industrial front — have not resulted in an avalanche of support for the Opposition.

Mr. Ted Rowlands, with a 3,710 majority over Welsh Nationalist Mr. Emrys Roberts, may also be conjecturing today on the damage to his cause by recent Labour turmoil over the Common Market and the burst of Jenkinsite resignations. Independent Labour's majority, in the General Election was 7,467.

And with a high 78.5 per cent poll, the former Junior Minister in Mr. Wilson's Government would have been expected to do better than be returned with Labour's lowest majority for the constituency.

It was always known that Plaid Cymru would score heavily at Merthyr. How much their success was due to a resurgence of Welsh fervour and how much to the Labour Party "split" sensation will form the basis of a searching inquest.

The by-election resulted from the death six weeks ago of Mr. S. O. Davies (86). Results:

T. Rowlands (Lab.) 13,562; E. Roberts (Plaid Cymru) 11,852; C. Barr (C) 2,366; A. L. Jones (Comm.) 1,519; A. Donaldson (L) 765. Labour majority 3,710.

GIFTS — AND WARM FAREWELL

Gifts galore . . . handed over by Mr Dunnett (centre) at the presentation to Ald. and Mrs. Green.

The gifts included an electric blanket, an eiderdown, bottles of spirits, cigarettes — and a bouquet for Mrs. Green.

Ald. Green was Sheriff of Nottingham in 1956-7, and Lord Mayor in 1960-1.

Underpasses one way out of impasse

SHERIFF'S WAY and the Eastern by-pass, the proposed roads turned down by the Department of the Environment, could still be built in Nottingham.

Corporation officials, who sought alternative solutions after the department's rejection of the original plans, have reported that the roads could go underground for some stretches.

The officials' report on the possible alternatives was deferred by the Nottingham Planning and Development Committee yesterday, and the new committee, formed after the May elections, will have to make the decisions.

Opposed

Several Labour members are known to be opposed to any moves to reintroduce the two roads in development plans.

The officials started out with the premise that any new routes should not be the rejected ones under another name, but they had to think again.

To improve the roads so that noise and nuisance would be kept to a minimum would cost £40,000,000 compared with £31,000,000 in the original proposals.

The report says any new major roads in the eastern part of the city would have 86 per cent of its traffic making for Nottingham, with only a small proportion of through or non-city traffic.

Noise

Mr. Brian Collins, the city's Director of Technical Services, described how homes might be affected by noise with the proposed new roads.

No home in St. Ann's would be affected in the future as 30 new houses are troubled by traffic at present on Woodborough Road, he said.

Most of the existing houses in Sneinton in the vicinity of the main road are already more affected by noise than would be some of the homes on the route of the proposed Eastern by-pass.

The possibility of constructing a tunnel road between London Road and Mansfield Road, north of Forest Road, was considered.

It was rejected, one of the reasons being that the cost could be more than £60,000,000.

Impossible

Another suggestion was for a new road from Shelton Street to Sneinton. This could link up with London Road to the new road at the Carlton Road junction, but it would be almost impossible to construct underground.

If it was built on the surface, it would seriously impede pedestrians, public transport and would reduce the capacity of the eastern section of the inner ring road.

To provide a link from Meadows Way along London Road, and then connecting up to Carlton Road junction could cost up to £6,000,000.

The Planning Committee also deferred consideration of a proposal to develop the Victoria Hotel site from Castle Point Properties.

Fishy story

Derbyshire police were yesterday trying to sniff out thieves who made off with 240lb. of wet fish from outside a fish and chip shop. The fish, haddock, cod and herring worth £43, was taken from outside the shop in High Street, Clay Cross, shortly after arriving by lorry from the docks.

A brief look...

A Strad for £10?

A second-hand dealer has put a £10 violin in a bank vault for safe keeping. He did this yesterday after he looked inside the violin and saw a label which reads "Antonius Stradivarius. Faciebat Anno 1705."

In June last year a Stradivarius was sold for £84,000.

Mr. Peter Meade, at his shop in the Sawclose, Bath, said: "This is the first violin I have ever bought. I don't know anything about them." He is having the violin valued.

* * * *

Guns fired a royal salute from the ramparts of the castle in honour of Queen Juliana and Prince Bernhard when they arrived in Edinburgh yesterday at the start of a two-day visit.

* * * *

Finnish-born Paavo Berglund (42), artistic director of the Finnish Radio Symphony Orchestra for the past 10 years, has been appointed principal conductor of the Bournemouth Symphony Orchestra from September.

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Dr. Donald Coggan, Archbishop of York, left Lahore yesterday for Karachi on his way to Nairobi for a week's visit to Kenya.

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Gordon Naysmith, a 40-year-old Briton who is pony-trekking from Lesotho, in Southern Africa, to the Munich Olympic Games, has reached the South Jordanian town of Ma'an.

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The Thai Government has offered a reward of £365 for the capture "dead or alive" of a 19-year-old former beauty queen who is now a Communist guerrilla leader.

* * * *

Mr. Harold Wilson will appear on BBC's Panorama on Monday.

Cancer-fight ball

Nottingham Joint Cancer Committee's annual spring ball, which in the last five years has raised £2,500, was held last night at the Albany Hotel. Proceeds from the event, attended by 200 guests, will be shared between the Cancer Research Campaign and the National Society for Cancer Relief.

HALT THE GROWTH OF THESE INDUSTRIAL GIANTS —CALL

EFFECTIVE action should be taken by the Government to stop the formation of any more industrial monopolies or near-monopolies.

The demand is made in the comment column of Industrial Nottingham, the monthly journal of the Nottingham Chamber of Commerce and Industry issued yesterday.

The writer asks this question: Does the Government really appreciate the immense part small firms play in the well being of the country and the immense harm which is done all too often to people's lives by mergers and monopolies?

He urges that now is the time for the Government to take positive steps to reverse policies of the last two decades, and show that it will not allow takeovers, whether by firms or trade unions, to dominate the economy.

And he adds: "The effect of allowing such domination can only be to bring about a loss of personal identity, human content and sense of purpose.

Impersonal

"People, and it is people who matter, are being demoralised and destroyed by the so-called rationalisation which follows in the wake of the birth of industrial giants.

"Nobody gains, except the tiny few sitting on the top of pinnacles. Society certainly does not.

"All too often the aggrandisement of the few is achieved by the debasement of the many who lose almost everything as a result of the formation of huge, impersonal and often relatively inefficient units."

The writer calls on the Government to show that its all too recent concern for small firms is genuine.

"Let it take effective action to establish and assist them. And, as a corollary, let it now prevent the formation of any more monopolies or near monopolies."

Crash kills race driver

Bert Hawthorne, a New Zealander living in England, died yesterday after an accident in training for the Jim Clarke memorial motor race at the Hockenheimring, Germany.

Hawthorne collided with West German driver Bernd Terbeck near the track's East Curve not far from where Jim Clarke was fatally injured on April 7, 1968. Terbeck managed to walk away from the crashed cars, while Hawthorne's vehicle caught fire. He was later freed by firemen.

Hit and run of 'worst sort'

A mishap in which a Scots Guardsman was killed was "a hit and run incident of the worst sort," Nottingham City Coroner Mr A. C. G. Rothera told an inquest jury yesterday.

He said he hoped police inquiries to trace the vehicle and its driver would continue. A verdict of Accidental death was returned on David Hynd (18) of Victoria Barracks, Windsor.

The inquest was told that the mishap took place as the Guardsman hitch-hiked on the Sandiacre by-pass. The coroner said the accident could be a warning of the hazards of hitch-hiking.

Director, 44, dies

Mr. Derek Flude, managing director of the Hinckley hosiery manufacturing firm of H. Flude, has died at the age of 44. Mr. Flude, whose home was in Bradgate Road, Hinckley, leaves a widow and two children.

Battling tenants

The New Parks Tenants Association in Leicester was officially formed yesterday. It is the second tenants' association formed in the city in a week, to fight the Government's Fair Rents Bill.

'Other woman' walks off with £11,000

A YOUNG Swedish woman — named in a divorce suit — apparently walked out of the Law Courts in the Strand yesterday with £11,000 in her handbag, a High Court Family Division judge was told by counsel.

Twenty minutes earlier the judge had ordered that the money, brought to court by her lover, a professional gambler, should be paid into court to cover a claim by his wife and child.

The judge ordered a bench warrant to be issued for the arrest of Miss Birgitta Forsberg. She is tall, has long fair hair and is in her late twenties.

She had been attending court with Mr. John Burke, with whom she was said to be living at Wilton Crescent, Belgravia, London.

The judge said Miss Forsberg was to be brought before him on Monday and he also ordered that she should be prohibited from dealing with the money.

When Mr. Donald Ellison, counsel for the wife, Mrs. Liliane Burke, of Aldford Street, Mayfair, London, said it was feared Miss Forsberg — named by the wife in her divorce suit — would go to Sweden, the judge said that the appropriate authorities could be informed.

The money had been brought to court to answer an application by Mrs. Burke for the committal to prison of her husband for failure to comply with a court order made last week.

On that occasion £13,000 in Mr Burke's bank account was "frozen" when the court was told that he had sold his shares in the Claremont Club, Mayfair — recently bought out by the Playboy Club.

Yesterday Mr. Ellison said that the money was to have been put into a joint account set up by solicitors on both sides.

For Mr. Burke Mr. Neil Taylor said he was prepared to hand over £11,000 and to give a cheque for £2,305 and Mr. Justice Rees ordered this to be done by 4 p.m. yesterday — the solicitors to open a joint account on Monday.

Counted

Later the court sat again and Mr Taylor told the judge that the cheque was now handed over but payment of the £11,000 could not be complied with.

Mr. Burke had gone to a conference room and with Miss Forsberg and a solicitor had counted the £11,000 in notes.

Miss Forsberg, Mr. Burke had said, packed it in her handbag and put her scarf on top. He had not known she was going to leave with it and it was not his idea.

The judge said the High Court Tipstaff should arrest Miss Forsberg and bring her to court on Monday and she would also be directed not to dispose of any of the £11,000.

Mr. and Mrs. Burke — he is 48 and she is 39 — married in 1961 and the wife obtained a decree nisi last month.

A unique team is toasted in style

HUSBAND and wife team Ald. Roland and Mrs Ethel Green were the toast of The Meadows, Nottingham, last night at a party to mark their 46 years with the Bridge Ward Labour Party.

It was a warm farewell to the couple who have now left The Meadows to live at Radcliffe-on-Trent, Nottinghamshire.

Their gifts from the Ward Party were presented to them by Mr. Jack Dunnett, Labour MP for Central Nottingham, at the Sir Richard Arkwright, Arkwright Street.

Mr. Dunnett spoke of the long and devoted service of the couple, both to the ward and to the party.

The presentation highlighted a partnership which is probably the longest in political and trade union affairs in the city.

Former clerks

They first met at a union function in 1926 when they were both employed as railway booking clerks and were both members of the Railway Clerks' Association.

Ald. Green belongs to the third generation of railwaymen in his family. Both his father and grandfather were stationmasters.

From clerk with the old Great Northern, Ald Green became commercial representative of No 1 Area, Nottingham.

Throughout this time he was associated with his railway union, being chairman of the Nottingham branch and secretary of the East Midlands Divisional Council.

On retirement, Ald. Green was presented with the gold medallion of the union and was made an honorary life member.

Became agent

First elected to the city council for the former Meadows Ward in 1945, he also became election agent for the late Mr. Norman Smith, Labour MP for Nottingham South until 1955.

Ald. Green is keenly interested in education and a Nottingham school is named after him. He has been chairman or vice-chairman of the Education Committee for a number of years.

Mrs. Green has also played a keen role in municipal affairs. She has been an active member of the Labour Party for the past 50 years and represented Bridge Ward on the city council from September, 1932, until she was elected an alderman in 1963.

When the Conservatives took control four years later, Mrs. Green lost her aldermanic seat but was soon elected as Nottingham's first woman honorary alderman.

She is a former treasurer of the Bridge Ward party.

Pledge on eyesores

Heanor will be transformed in the next few years as the urban council clears eyesores from the area, the council chairman, Mr. Stan Mellors, said last night.

He said at the chairman's annual reception that at the beginning of his year of office he had pledged himself to environmental improvement.

"The council supported me on this. With the plans we have laid and the machinery we have established I am confident we will see the removal of many eyesores."

Mr. Raymond Fletcher, MP for Ilkeston, was among the 160 guests at the reception.

Raleigh chef retires

Raleigh Industries canteen chef Mr. Frank Bowmer (65) who retired yesterday after 22 years with the firm, was presented with a gold ring during a buffet dance last night in the firm's ballroom organised in his honour by canteen staff.

Bond winners

More winning premium bond numbers for £50 prizes in Nottinghamshire, Leicestershire, Lincolnshire, and Rutland in the April draw were announced yesterday. They are:

AS 775375	5EZ 192093	6KK 090078	8PK 967241	7ST 070518	9WW 596248
3AL 402933	FB 022757	6KS 984935	8PP 919941	1TL 844167	9WZ 914178
5AK 375959	FB 472641	7KL 338166	QL 603481	1TS 059836	3XP 256922
5AL 787370	FF 223862	LS 388119	1QL 594239	2TB 790445	3XZ 698543
5AZ 143781	1FB 491067	LZ 135702	1QP 139744	4TK 551160	3XZ 905830
5AZ 956014	1FK 638801	2LL 696555	2QK 512147	4TL 024328	5KK 493735
BT 479280	1FL 564686	3LN 993438	3QL 205893	5TB 059352	5XL 234897
1BF 173000	1FN 724614	4LB 581480	4QB 994479	5TP 665124	6XT 859442
1BP 125959	1FZ 842930	4LP 725095	5QF 537741	5VW 270849	7XK 574035
1BT 163551	3FL 008640	4LP 851483	5QP 638794	5VZ 137288	7XK 749026
2BN 974342	3FS 706412	5LL 464331	5QS 668758	6VF 295076	8XF 096678
2BS 474910	4FZ 004267	5LN 035345	5QT 728188	6VP 808030	YP 628383
3BZ 970503	2HF 887709	6LT 540523	5QT 811314	8VT 166976	YW 742946
CT 723359	3HP 833055	MB 111189	RK 585788	8VW 926172	4YW 945695
1CF 280563	3HW 407924	1MT 590014	4RW 824848	9VF 657672	5YB 652805
2DT 553474	4HF 214254	4MF 147214	5RN 756375	9VF 945379	8YK 244090
2DT 693553	4HL 498041	4MF 486222	5RT 056457	9VK 475881	8YN 157982
3DF 307920	4HZ 950387	NS 560218	5RZ 801077	9VL 078441	1ZB 820460
3DK 409317	1JF 887413	1NK 572999	6RB 774711	9VP 596184	4ZL 848636
3DK 817158	1JS 976843	PW 066529	7RP 344275	2WB 110318	6ZL 560603
3DN 314152	3JF 438401	1PZ 230281	8RB 901698	2WF 935733	6ZS 267790
3DN 441173	3JS 717166	3PT 877956	9RF 931122	2WZ 132632	6ZW 105746
3DS 219110	3JW 440699	2PZ 568621	ST 669571	6WS 101570	7ZW 226539
3DS 897189	4JK 235503	2PZ 925240	15W 566035	8WB 859631	8ZF 094520
4DZ 918642	5JW 923091	3PP 791724	2SZ 744195	8WF 095106	8ZW 647305
5DW 535264	5JZ 034961	6PW 446607	3SF 132135	8WF 388584	9ZB 849649
1EL 604964	1KS 865283	6PZ 438137	4SZ 296776	8WW 008023	9ZK 953875
1EW 494950	1KT 864519	7PL 512208	5SS 785086	9WB 329420	9ZZ 856726
2EZ 884652	2KN 568082	7PP 939928	6SB 722433	9WP 427552	
4EZ 355252	4KK 782351	7PS 677333	7SB 749801	9WS 985265	
5ET 742997	5KZ 797649	8PK 468998			

Staffordshire and Derbyshire

AK 866445	5ES 280667	4KS 582164	3PL 025587	7RZ 706300	4WT 298195
AK 899646	5ES 801629	5KB 183617	3PZ 492955	8RB 409430	5WK 291513
1AB 589952	5EZ 577559	6KB 452577	4PF 740645	8RZ 046527	6WB 614313
1AF 401907	2FF 003146	6KW 774313	4PN 141515	SN 584458	7WT 837047
1AW 153128	3FB 234381	7KL 952936	6PP 823825	SP 456867	8WN 054336
3AL 362597	3FL 029935	LT 703677	7PZ 096415	ST 978431	8WS 153267
3AW 834144	3FP 854839	1LT 224666	8PP 545242	SZ 326245	XZ 221213
4AN 758245	3FT 849942	2LB 080725	8PS 569029	1ST 844141	3XT 522278
5AB 335521	4FB 862219	2LF 286563	8PZ 804891	5SP 994405	4XB 595776
BZ 798344	1HW 230158	2LF 520738	9PB 905739	5ST 738116	5XT 228408
1BF 582347	2HP 182795	2LL 201594	QP 566311	6SB 847630	7XL 076464
1BS 010869	2HT 461259	3LL 659757	QT 414898	6ST 037813	7XN 820291
1BS 205166	4HS 978192	3LS 249230	QW 409465	7SK 933559	7XW 588160
1BW 985522	4HZ 372201	5LK 177355	1QT 246510	7SP 535844	YB 441380
2BW 396263	5HF 746118	5LK 450139	2QF 466675	1TP 260686	2YB 314403
3BK 931238	5HN 909295	6LF 269474	2QL 063105	2VK 829666	2YE 411770
CK 708074	5HZ 271232	6LK 620592	2QT 056892	2VL 321259	6YW 420405
1CT 411529	1JP 270289	6LP 078237	3QS 990049	2VN 534187	7YB 703021
1CW 590261	1JW 249030	6LW 063917	4QT 144661	3VB 824555	7YT 869611
1CZ 266261	3JB 538280	7LB 043689	4QW 868179	5VZ 082528	7YZ 447010
2CB 178586	3JB 710255	MT 696407	5QK 401049	6VK 500850	8YF 328017
2CB 384898	3JS 293789	1MK 962205	5QP 521165	6VW 905780	8YS 113620
2CF 006784	4JF 475083	1ML 202271	RN 245226	7VS 219703	ZB 387497
2CK 550794	4JF 478740	2MZ 429417	1RP 287351	8VB 225735	2ZS 160621
3DK 636103	4JP 680282	3MN 589902	1RP 886997	8VN 407666	6ZL 255956
3DP 087630	KB 109360	4MW 480150	1RS 350579	8VS 546821	6ZT 240984
5DL 075522	KL 741364	1NN 322379	5RF 386915	9VF 153012	9ZF 661155
1ES 068931	1KL 349083	PB 045849	6RK 321634	9VL 081677	8ZZ 854486
2ET 190339	2KL 690783	2PK 658901	6RP 662705	3WL 030251	8ZP 982837
3EL 788952	3KK 144458	3PF 097985	7RN 433873	3WL 092727	

Jobless figure is 'criminal' says union chief

THE current number of registered unemployed — more than a million — seems criminal, says Mr. H. L. Gibson, general secretary of the Leicester-based National Union of Hosiery and Knitwear Workers.

Writing about the "chronic ill facing the nation," in the union's magazine, Mr. Gibson said it should be remembered that many thousands of married women were not included in the statistical number because they did not pay full insurance contributions.

There were also a great number of workers on short time at present and they too were not registered at the employment exchanges.

"It seems ludicrous that in the 20th century the Government does not seem to have the know-how or the economic expertise to reduce this ghastly figure and by such a reduction increase the gross national product of the nation, thereby raising the standard of living of the people of this island from the level we are experiencing at the present moment," he says.

Excuses

He goes on: "Excuses do not make jobs and the prime concern of any government is to ensure that the population of that country is able to live a decent, wholesome, dignified life by having the opportunity, nay, the right, to be employed and contribute to the wealth and prosperity of the nation.

"If the Government spent more time on matters of this nature instead of arguing about Industrial Relations Acts the nation would be in a far healthier economic situation than we are experiencing at the present moment.

"So we can say, away with these doctrinaire philosophies and understand your prime function — that is to provide work for all who are able to work and to provide succour for those people who are unfortunate enough to be that underprivileged class and, therefore not able to utilise their talents in this way."

Houses boom 'cannot last'

The "unhealthy and frantic" house situation cannot last very much longer, Mr. Michael Latham, director of the House Builders' Federation, said in Bristol yesterday. "We would hope to see a more stable and satisfactory situation by the autumn," he told a seminar on urban renewal.

He said: "Eighteen months ago, the problems in the house building field were those of depression, lack of money and lack of trade. The difficulties today arise from an unprecedented demand, boundless confidence, plentiful money and the shortage of land. They should diminish as more land becomes available for development. But let nobody doubt which set of problems is to be preferred. Expensive homes are better than no homes."

Cooper painting gains top price

An oil painting by Thomas Sidney Cooper of a farmyard scene, signed and dated 1881, fetched the top price of £680 at a sale of 18th and 19th Century paintings, watercolours, drawings, prints and engravings by the Retford auctioneers, Henry Spencer and Sons, yesterday.

Other big prices at the sale, which realised a total of £7,215 included a panoramic wood river landscape by Niemann (£350); a mountainous river landscape by the Dutch school (£280); a landscape by D. Y. Cameron £280; and the interior of a Moorish palace by Albert Girard (£250).

"HELLO, WORLD!"

Tricks with a little black box

BY DAVID PARRY

It was almost midnight and there was still no sign of Sam. I was sitting where he'd told me to meet him, in a window booth of an A & W restaurant on a four-lane street lined with parking lots and completely unblemished by trees. It was a great spot for Sam to suggest. All that open asphalt landscaping would let him pick out anyone coming or going. If I had doublecrossed him and not shown up alone, Sam would have seen and disappeared.

Sam had good cause to be careful. He's a hardcore "phone phreak" – a 30-year-old electronic mastermind who's part of a steadily growing underground that toys with the world's telephone network in the same way other hobbyists play with paint-by-number sets and electric trains. A properly-outfitted phreak can link an ordinary household phone to almost any other number on earth, and never be billed for the call. He can also ring up circuits known as loops in cities thousands of miles away. On them he can hold a toll-free conference with other kindred souls about such things as the quality they're getting on their illegal satellite calls across the ocean.

Phone phreaking – they prefer the "ph" spelling because of the sideshow connotations of "freak" – has been going on in one form or another for about 12 years. But only recently has it threatened to get out of hand. Canada's telephone companies are alarmed at the increased use of "Blue Boxes", "Black Boxes" and assorted other homemade gizmos stuffed with transistorized wizardry to dupe long-distance billing computers.

Now the phone companies are striking back. A Vancouver photographer working in California became the first adult in Los Angeles to be convicted of defrauding the telephone company with a Blue Box. In Toronto, a 20-year-old blind university student had his phone pulled out after Bell security agents monitored his line and heard what they believed to be illegal activity. Another Toronto student was arrested for "theft of telecommunications", a violation of Section 273 of the Criminal Code. Maximum sentence for theft under $200 is two years; for theft over $200, ten years. (The student, Frank Schaedlich, 20, pleaded guilty and was placed on probation for two years.)

Small wonder Sam was taking no chances. We had talked several times on the phone about his activities, but always Sam had called me. All I'd learned about the man himself was that he used a phony name and his work had something to do with electronics. Sam, on the other hand, had no way of knowing how far I could be trusted. When he agreed to a face-to-face meeting, he insisted it be on his terms.

Mrs. Lyle S. Moore Jr. (center), new president of Norways Foundation Guild, talks with Mrs. Mark Newberry (left), telephone chairman, and Mrs. John E. Dodds, grooming committee chairman, at the group's semi-annual meeting. Plans were outlined yesterday for the year's projects in mental patient wards at Marion County General Hospital

Mrs. W. Stewart Roberts (left), guild membership and orientation chairman, talks with a new member, Mrs. Reid H. McLain, outside Party House at Park Central North. Mrs. William S. Hall, hostess for the meeting and luncheon, is volunteer hours chairman.

Women

Mrs. Walter A. Reichert (left), one of the guild's five new members, learns about some of the group's activities as she talks with Mrs. Frank W. Baron, secretary. Items made by the guild brighten trays and serve as prizes for games when the volunteers entertain patients.

Mrs. Elmer G. Gerwe (left), co-chairman of the guild's ward activities at General Hospital, talks with two new members, Mrs. R. B. Korsmeier (center) and Mrs. George Fothering-ham, who have donned their pink smocks. Mrs. Walter C. Taylor coordinates volunteer projects with Mrs Gerwe.—The NEWS Photos, William Palmer

Instant Sex Appeal Spray In Making?

By ROBIN ADAMS SLOAN

I read that it costs around $2,500 to go for treatment of sex problems at the Masters and Johnson Institute.

Are they making a lot of money there in St. Louis? — R.C., Verbank, N.Y.

Sex is now big business and highly profitable. The institute receives fat fees from patients and is also heavily funded by various organizations including Playboy magazine. In addition, there is revenue from those best-selling M & J books. Another source of revenue is testing. For example, the institute is trying out various scents under a contract from a giant behind-the-scenes company called International Flavors and Fragrances. This company develops perfumes and new taste sensations. Zounds! What will happen if Masters & Johnson come up with an instant sex appeal spray.

• • •

My son says some of his friends are "phone phreaks" and that's how he spells it. I don't understand about these kids and their little blue boxes. — B.C., Arlington, Va.

"Phone phreaks" are a growing band of electronic hobbyists, many of them teen-age, who are giving Ma Bell the heebie-jeebies. Their homemade little blue boxes are gadgets enabling users to make free phone calls all over the world. Devotees of the "sport" rap with pals all over the world or call London, Hong Kong and Rome just to hear the time and weather. Many box-owners are blind youngsters who use "phreaking" for companionship. The use of little blue boxes is illegal, but so far the telephone company has had little success in tracking down dial-pirates.

• • •

QUESTIONS YOU DIDN'T ASK BUT HERE'S THE ANSWER ANYWAY Superpatriot John Wayne sought the services of ten major black actors to play with him in his latest film "The Cowboy." Everyone turned down the role, with Richie Havens saying, "It's a great part, but I couldn't show my face to my friends if I took it." However, beautiful black Roscoe Lee Brown refuses to practice prejudice in reverse. He took the role

• • •

I saw Leonard Bernstein on the Today show after the JFK Center opening, kissing and hugging everybody in sight — both men and women, plus all the Kennedys. What's with him? — G.P., Chicago.

The maestro likes to kiss both men and women and he especially likes to buss Kennedys. Mrs. Rose Kennedy visibly recoiled from his embraces, murmuring that he would ruin her makeup, but nothing deters Lenny. He was the same way years ago when Jacqueline Kennedy was First Lady, giving her a sweaty embrace and kiss after conducting in New York. Maybe that's why Jackie nixed the opening, in order to avoid the man whom composer Aaron Copland calls "the kissing bandit."

Bernstein: The Kissing Bandit.

Chaplin: Good housekeeping.

Wayne: Things looked black.

How does Charlie Chaplin feel about his daughter Vicky's involvement with the circus clown you wrote about? — G.H., Terre Haute, Ind.

Chaplin is placid over Vicky's marriage to Jean-Baptiste Thierree and he has maintained his serenity in the face of a brand new granddaughter named Aurora. Unless his children cost him money or try to exploit the family name, Chaplin and his wife Oona remain on cordial but distant terms with their numerous offspring. This includes daughter Geraldine, who had a brief, unspectacular film career in "Doctor Zhivago," and who is engaged in common-law joint housekeeping with a young Italian director in Madrid.

• • •

Robin Adams Sloan welcomes questions from readers. While Sloan cannot provide individual answers, questions of general interest will be used in the column. Write to Robin Adams Sloan, in care of The Indianapolis News.

North Group Tries For 'Symphonitis' Epidemic

By JEAN JENSEN

Fortissimo! After a summer lull in activities, the North Group of the Symphony Women's Committee has bombarded the mails with the resounding force of 1,000 invitations to Thursday's membership tea.

The home of Mrs. William H. Ball, 4801 N. Meridian, will be open from 1 to 3 p.m. for the event which is normally a spring party but, hopefully, this fall date will help boost memberships and infect everyone with "symphonitis," a fever that produces profound interest in all group projects.

Mrs. Edwin M. Hinsdale, North Group president, will be there to greet guests. Mrs. Gerald Mann is chairman of the tea and has invited past presidents to pour.

One project, sponsored by the North Group, which will be discussed at this meeting is the successful "Musical Mornings" now slated to continue throughout the symphony season. Thomas Briccetti, associate conductor of the orchestra, will be the speaker for each session. He will play tapes and explain the music chosen for upcoming concerts. Sessions will be in the homes of Mrs. William S. Ramey, Oct. 18; Mrs. A. H. Northrup, Nov. 15; Mrs. A. James Hackl, Jan. 3, and Mrs. Donald J. White, Feb. 7. These meetings all begin at 10 a.m. and the donation is $1 per person to cover expense of refreshments. Every Women's Committee member is welcome with guests.

Mrs. Northrup, November hostess, is the project chairman, assisted by hospitality chairman, Mrs. Keith E. Hodgin.

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Two women helping with the Oct. 30 "Medley of Memories," not mentioned for their roles last Tuesday, are Mrs. Max J. Beaty and Mrs. Charles T Lawson. The ball is sponsored by the Junior Group of the Symphony Women's Committee. Mrs. Beaty is chairman of the event and Mrs. Lawson is chairman of favors with the formidable assignment of assembling 300 old-fashioned nosegays. Fortunately, she will be assisted by her committee

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The topical topic, "Our China Gamble: What can President Nixon Expect from a China Visit?" should prompt members of The Contemporary Club to make note of next Tuesday's 8:30 p.m. meeting in the Indianapolis Hebrew Congregation, 6501 N. Meridian. The speaker will be William Attwood, past editor-in-chief of Cowles Communications; European and foreign affairs editor, Look magazine in the 1950s; Ambassador to Guinea; Ambassador to Kenya; special advisor to the United States delegation to the United Nations and author of many books.

Members are invited to attend dinner and a social hour before the meeting at 6:30 p.m. in the Meridian Hills Country Club.

• • •

Sunday wasn't just any day for Lavinnia, 8 years old, and John Logan Jr., 5 years old, children of Mr. and Mrs. John W. Logan, 7335 Grandview Drive. They were invited to visit authoress Jessamyn West (The Friendly Persuasion), when she and her husband, H. M. McPherson came from Napa, Calif., to attend the Librarian's Convention at Stouffer's Inn. As a result, Lavinnia will have something special for "Show and Tell" — an autographed copy of "Crest Delahanty," a recent book by Miss West. The meeting came about because Lavinnia's great-grandmother, Lavinnie Ralstin McDonald, was a childhood playmate of the late Hannah Milhous, President Richard M. Nixon's mother. Mrs. McDonald became acquainted with the author, who is a Milhous cousin. Several of the West books have Jennings County and North Vernon as a background setting for the tales.

• • •

Rings'n'things: Mrs. Luben Dimitroff left for Paris a week ago to attend her son's wedding on Friday before flying on to Sofia, Bulgaria, to visit family The younger Dimitroff, Anton, wed Miss Gail Burns, a Californian. He met her while practicing law in the Pantzer and Boyd Paris law office. Schoolmates of Tony's in Wabash College, Class of '60, may have lost track of him since a Fulbright scholarship took him to Ecole des Sciences Politiques at the Sorbonne, and his subsequent graduation from Yale University School of Law. The newlyweds will live in Paris

• • •

A party in reverse was the surprise element for the Peter Fortunes, who invited guests to entertain their Texan-construction crew who had been working on an intricate vari-colored aggregate driveway. Though the party was planned to be a party of appreciation, the Texans wound up cooking a divine Western barbecue and furnishing entertainment by way of music Only the cloudburst Sunday night forced everyone to disband. The Fortune's new house is still roofless.

• • •

New York Ballet star, Jacques D'Amboise, whose masculinity and excellent performance won new converts to ballet Sunday at Clowes Hall, was nonplussed but undaunted by a woman in the balcony at the matinee show who responded to his "question and answer" period with "I came to see you dance, not talk."

The evening crowd was obviously delighted with the personal interchange between star and audience as D'Amboise explained technicalities of the dance before each demonstration. His delivery was much in the manner of commedienne Joan Rivers, but his dancing, as that of his partner Melissa Hayden was an original experience.

The late-late crowd was welcomed "On Stage" for coffee and delicacies. Mrs. Samuel Goldberg, chairman of the meet-the-stars informalities, was stunning in a black velvet blazer and maxi demi-checked black and white wool skirt side slit to controversial heights. None of the stagehands would find her a pin. None of the women could find her one

L.S. Ayres & co.

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Big Big Bonus
For Men Who Care

For men who care about taking care of themselves . . . the Aramis collection . . . all kinds of grooming aids for body, hair, skin care. Individual formulas for individual type men. Each with the distinctive Aramis fragrance. Here, for your shaving needs, we show, the large 8-oz. After Shave, 12.50, and the Consul Set of 2-oz. After Shave and Cologne, 6.50.

The Valuable Bonus . . . This week with a 5.00 minimum Aramis purchase, receive this large, long-lasting 11-oz. can of Aramis Shave Foam.

Toiletries, Street Floor, Downtown
Also Glendale and Greenwood

Harass hackers and they'll 'nail you real bad'

SAN FRANCISCO (UPI) — A Newsweek magazine reporter, being harassed by angry computer hackers for an article he wrote about how they penetrate security systems, says they can invade almost anyone's privacy.

After Richard Sandza wrote an expose in the Nov. 12 issues of Newsweek about how amateur whizzes can plug into various computer systems, the hackers called his San Francisco home hundreds of times, put him on "teletrial" in their computer-to-computer conversations and maligned everything from his prose style to his manhood on electronic "bulletin boards" across the nation. One suggestion was to "Kill the dude."

Then the hackers broke the law.

They crashed into a TRW Information Services Computer, obtained a list of Sandza's credit card numbers, home address, wife's name and his Social Security number. Then they posted the information on a computer "bulletin board."

The hacker who did it may have known his computers better than his English.

"I'm sure you guys have heard about Richard Standza (sic) ... He's the guy who wrote the obscene story about phreaking in ... did a credit card check on TRW ... try this number, it's a VISA ... Please nail this guy bad ... Captain Quieg (sic)."

Although TRW, the nation's largest credit rating organization, has indicated a willingness to help prosecute Sandza's tormenters, the reporter noted that what happened to him could happen to anyone.

Sandza said he checked with the local TRW office and found an inquiry was made Nov. 13 purportedly from the Lenox (Mass.) Savings Bank, an institution that would have no reason to check his accounts. Sandza concluded a hacker had used the bank's password to get into the TRW system.

"He (Captain Quieg) has violated the Credit Card Fraud Act of 1984," Sandza said Wednesday. "The law provides a $10,000 fine and up to 15-year prison term for 'trafficking' in illegally obtained credit card numbers. His 'friend' has committed a felony violation."

He said that "the major problem this illustrates is TRW. They have files on half the population of the United States and information that we would not allow the government to keep on us. They made $100 million last year selling credit reports that we allow them to keep for their confidentiality."

He said what makes the security problem at TRW so difficult is that tens of thousands of customers can buy its services. Hackers have a variety of sources for passwords into the system, inluding the trash of automobile dealerships and the discarded printouts of banks.

While admitting that his fight with the hackers has been "pretty hectic," Sandza said he will hold out a little longer before he trades his reporter's objectivity for legal action.

"At this point they have threatened me somewhat; they have have harassed me somewhat and have done some damage," Sandza said. "And I may decide that I can live with that — unless they do anything that physically threatens me and I get any madder.

"I'm not a cop, I'm a journalist."

Sandza said of the hackers, "Most of these people traffic in illegal information: Credit card numbers, dial-up access numbers for long distance phone service, how to do this or that, everything from picking locks to to making nitroglycerin."

Doctors seek end to boxing

HONOLULU (UPI) — The policymakers of the American Medical Association are asking physicians to lobby their state legislatures to ban all forms of boxing.

The resolution was overwhelmingly passed on voice vote Wednesday by the AMA House of Delegates.

"It seems to us an extraordinary incongrous thing that two people are paid to literally get into a ring and beat each other to death, or beat each other into a state of senselessness that could leave them permanently brain-damaged," said AMA President Dr. Joseph Boyle.

"There are laws against putting dogs into the ring for the purpose of killing one another, but none for humans."

U.S. Surgeon General C. Everett Koop said he neither supported nor opposed the position. Koop, however, quoted a neurosurgeon as saying boxing is the only sport in which participants deliberately set out to damage each others' nervous system.

The AMA also wants to step up efforts to educate the bamerican public, especially children and young adults, about the hazards of the sport.

Delegates engaged in a good deal of the discussion over the resolution, most in favor of the ban.

One representative wanted to differentiate between amateur and professional boxing on the grounds that the amateur sport is more tightly regulated and emphasizes scoring points rather than inflicting injury, but the suggestion was greeted by jeers.

Boyle said the use of headguards to protect boxers could make the sport even more dangerous by preventing the participants from feeling their injuries. He said there had been proposals to force boxers to use only their bare hands, which he said would break before doing any serious brain injury.

The resolution went further than a 1983 resolution in which the body pledged to work for the elimination of only the amateur sport. The AMA made its first statement on the sport in 1962.

AMA officials also criticized the recent hoopla over heart transplants in the Baby Fae, Barney Clark, and William Schroeder.

"With the pace and progress of medical research, there would appear to be some erosion of concern we have for individual patients," said Boyle.

He said he thought it would be better for patients to undergo experimental procedures in private and then have the decision whether or not to share their experience with the rest of the world.

"I don't believe introducing a circus into the equation is going to improve the human treatment of these patients," he said.

Boyle also said he was worried the publicity might give other patients false hopes. "Will some patient that has a truly hopeless condition say 'Maybe there's hope for me?" asked Boyle. "Will there be people taking advantage of this?"

The AMA Judicial Council issued a statement this week saying doctors should avoid exaggerating the significance of their research or encouraging false optimism on the part of patients.

"The Judicial Council does not approve of practices designed to create fanfare, sensationalism to attract media attention, and unwarranted expressions of optimism because of short term progress even though the longer range prognosis is known from the beginning to be precarious.

"The situation should not be used for the commercial ends of participating physicians or the institutions involved," it said.

Deathbed wedding to former wife

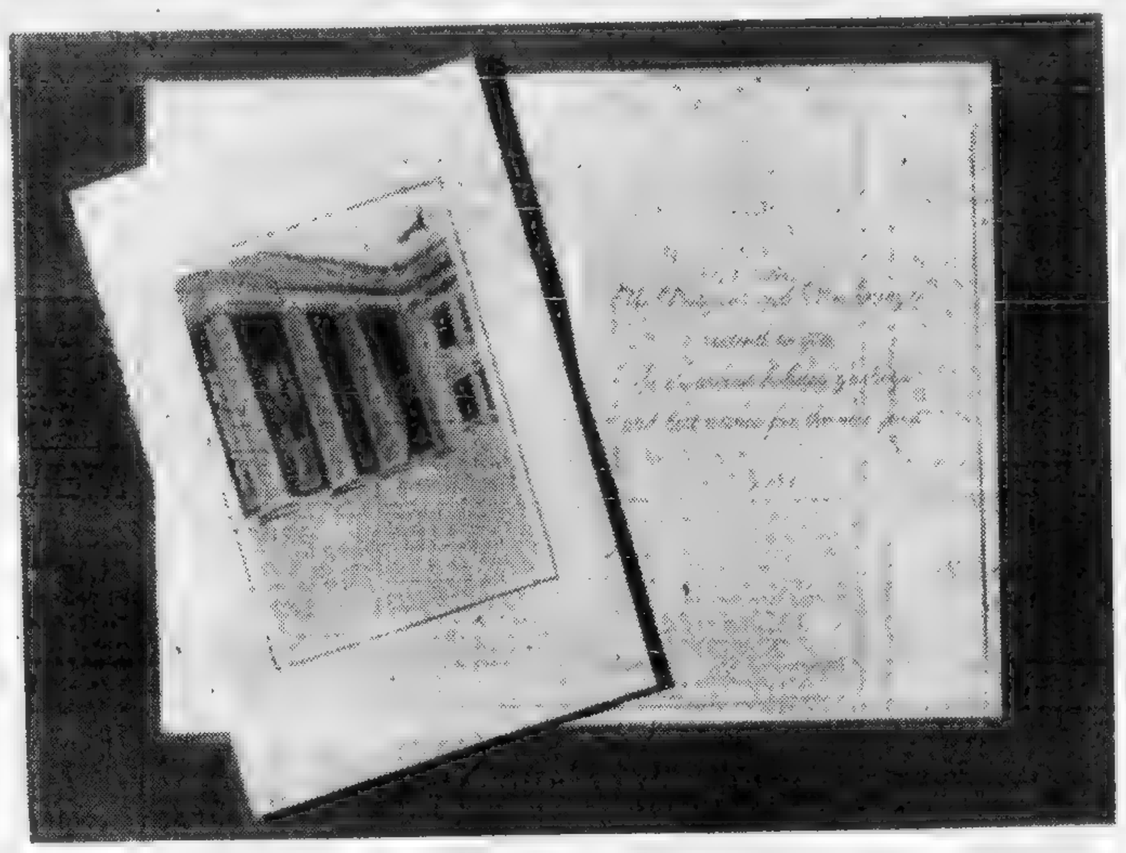
MILWAUKEE (UPI) — Rodman Liska slept through his honeymoon, but that was OK with him.

Liska is dying of lung cancer. He had to take some medicine and get some sleep after the wedding ceremony but he didn't complain about the hospital honeymoon.

In a hospital room ceremony, Liska, 52, remarried the woman he divorced 11 months ago.

"It's more fun this time around," Liska said Wednesday. "It means more."

Liska said he decided to remarry his former wife, Alice, 46, because "staring at death every day is a hell of thing."



PRESIDENTIAL GREETINGS — The White House released yesterday President and Mrs. Reagan's Christmas card for 1984. The card is an oil on panel painting by Jamie Wyeth called "Christmas Morning at the White House." (UPI)

More arrests in S. Africa protests

United Press International

Two congressmen, a Catholic bishop and a Nobel Prize winner have joined the ranks of those arrested during nationwide protests against South Africa's racial separation politics.

In Washington Wednesday, the beleaguered South African union movement said its leaders will try to meet with Jesse Jackson during his February trip to the white-ruled nation.

A total of 25 people have been arrested in front of the South African Embassy in Washington, including nine members of Congress, since the protests began Nov. 21.

Rep. William Clay, D-Mo., Rep. Robert Garcia, D-N.Y., and a labor leader were arrested outside the embassy Wednesday. Seven others, including Bishop Emerson Moore of New York, were arrested at a protest outside the South African Consulate in New York City.

In Boston, Dr. George Wald, a 1967 Nobel Prize laureate in medicine, was arrested when he refused to leave a coin shop where South African Krugerrands are sold.

A college professor, a city councilor and a union organizer were arrested with him for refusing to leave the store.

Anti-apartheid protests, which began at the embassy on Thanksgiving Eve, moved across the country this week. To date, 40 people — national and local officials, black and white — have been arrested.

Pat Horn, organizer for the Paper, Wood and Allied Workers Union in South Africa, said in Washington she did not know if the Cape Town government would permit the meeting with Jackson.

Twenty-one South African labor leaders who were imprisoned last month are still being held under laws that were removed from the books two years ago, said Calvin Makeleng, chairman of the Transvaal branch of the Chemical Workers Industrial Union.

"The state is still clamping down on the (union) leadership," Makeleng said. "Some people are still being taken from the labor unions. In South Africa, we are living in a world of ... rubber bullets and tear (gas) smoke."

New York police arrested seven people Wednesday for blocking entrances to the consulate on Park Avenue.

Police charged Moore, Dr. Roscoe Brown, president of Bronx Community College, Hazel Dukes, president of the New York State Council of the NAACP, Dr. George Webber, former president of the New York Theological Seminary and three others with disorderly conduct.

In Washington, Clay, Garcia, and William Lucy, secretary-treasurer of the American Federation of State, County and Municipal Employees, stood at the embassy door for 30 minutes before they were arrested.

"South Africa is the most oppressive government in the world. The United States government is not merely coexisting with this immorality, it is co-habitating with this insanity," Clay said.

Three U.S. labor leaders went to jail Tuesday for refusing to move from the embassy.

Flynt thinks he'll lose suit to Falwell

ROANOKE, Va. (UPI) — Hustler magazine publisher Larry Flynt predicts he will lose a $45 million federal libel suit, but believes the Constitution gives him the right to poke fun at the Rev. Jerry Falwell.

"It's hopeless. I'm in a nowin situation," Flynt told reporters Wednesday. "I been shot at; I been imprisoned; I been fined and dragged through the courts — all because of what I say."

Flynt said he will testify at the trial to defend his First Amendment right to publish an ad parody that portrayed the Moral Majority founder as a drunk whose first sexual experience was with his mother in an outhouse.

Falwell, whose nationally broadcast Old Time Gospel Hour reaches millions, rested his case Wednesday. He claims Flynt damaged his reputation and insulted his dead mother with "despicable and absolutely false" ads.

U.S. District Judge James Turk rejected a defense motion to dismiss the suit because the ad parody that appeared in two Hustler editions was clearly labeled as fiction "not to be taken seriously."

"I intend to let the jury pass on that question," Turk said.

Flynt called reporters to his hotel room Wednesday and charged the 12 jurors hearing the case were selected because they had not read his sexually explicit magazine.

The California publisher, who was paralyzed in a 1978 assassination attempt, also claimed three branches of government were allied against him.

"The judge represents the judiciary, (Sen. Jesse) Helms comes in and testifies for the legislature, and then Falwell says he's suing on behalf of President Reagan."

Helms, R-N.C., testified Tuesday that Falwell was a moral and God-fearing man and Hustler magazine was "a cesspool."

Falwell said he considered his case a test of "whether or not public figures — including the president of the United States, and the wpope of Rome — can be massacred in print."

PUBLIC NOTICE
TAKE NOTICE that the Hackensack Meadowlands Development Commission pursuant to the authority of N J S A. 13 17-1 et seq proposes to amend the Hackensack Meadowlands District zoning designation of an approximately 8 acre portion of Block 169, Lot 1, in Ridgefield, New Jersey from Marshland Preservation to Light Industrial "B". Accordingly, it is proposed to note said change on the Official Zoning Map and to amend NJAC 19 4-6 28 concerning the Official Zoning Map The Commission also proposes to amend its Zoning Regulations concerning the Waterfront Recreation Zone from NJSA 19 4-4 33 through 19 4-4 42. The general purpose of this change is to expand the permitted uses of the Waterfront Recreation Zone to encourage development of water oriented recreational facilities
A public hearing concerning the amendments will be held on
Jan. 9, 1985 at or after 9 30 A M
Hackensack Meadowlands
Development Commission
One DeKorte Park Plaza
Lyndhurst, New Jersey 07071
Copies of proposed amendments are available for inspection during normal office hours prior to the hearing at the address above Telephone (201) 460-1700
Interested persons may submit in writing, data, views or arguments relevant to the proposal on or before January 9, 1985
These submissions and any inquiries about submissions and responses should be addressed to Perry E Frenzel, Chief Engineer at the aforesaid address. Comments will be included in the record and given full consideration by the Commission
The Hackensack Meadowlands Development Commission thereafter may adopt this proposal without further notice (see N J A C. 1 30 3 5)
The adoption becomes effective upon publication in the New Jersey Register of a notice of adoption
HACKENSACK MEADOWLANDS DEVELOPMENT COMMISSION
ANTHONY SCARDINO, JR
Executive Director
Dec. 6, 1984 — $26.64

NOTICE TO BIDDERS
Sealed Proposals will be received and opened by the City Purchasing Agent in the Municipal Council Chambers, City Hall, 280 Grove Street, Jersey City, New Jersey
ON TUESDAY, DEC. 18, 1984
AT 10:00 A.M.
FOR THE FOLLOWING
1) FURNISHING AND DELIVERING TWO (2) MOWER DECK ASSEMBLY FOR HUSTLER GRASS CUTTER, EXCELL 295 TO THE DEPT. OF PUBLIC WORKS, LEISURE ACTIVITIES *
2) FURNISHING AND DELIVERING READY MIX CONCRETE & STONE TO THE DEPT OF PUBLIC WORKS, DIV OF STREETS AND SEWERS *
* INDICATES A PERFORMANCE BOND IS NOT REQUIRED
The Provisions of N J S 10 5-31 et seq (BIDDERS ARE REQUIRED TO COMPLY WITH THE REQUIREMENTS OF P L. 1975, C. 127") (AFFIRMATIVE ACTION PROGRAM) are incorporated herein by reference Full requirements of the program may be obtained with Proposal Form
Specifications and Bid Forms may be obtained at the Office of the City Purchasing Agent, 325 Palisade Avenue, Jersey City, New Jersey
Proposals MUST BE ACCOMPANIED by a Bid Bond or Certified Check, made payable to the City of Jersey City, in the amount equal to Ten (10%) percent of the Bid
Proposals must comply with specifications and must be hand delivered when called for at the time and place aforementioned Bids must be submitted individually in sealed envelope addressed to the City Purchasing Agent
The City Purchasing Agent reserves the right to reject any and all bids received, or portions thereof, if deemed to be in the best interest of the City to do so
ANNE M. DeLEVA,
City Purchasing Agent
Dec. 6, 10, 1984 — $60.72

CITY OF BAYONNE
PUBLIC NOTICE
Notice is hereby given that an ordinance No. O 84-42 entitled "AN ORDINANCE TO DEDICATE COLUMBUS DRIVE AS A PUBLIC STREET," was passed by the Municipal Council of the City of Bayonne at a meeting held November 28, 1984
JOHN P. FOYE
President
APPROVED November 29, 1984
DENNIS P. COLLINS, Mayor
Dec. 6, 1984 — $6.12

CORRECTION NOTICE
The Housing Authority of Jersey City that advertised Invitation for Bid on Monday & Tuesday, December 3, 4, 1984 incorrectly printed date of Pre-Bid for Monday, November 19, 1984
It should have read Tuesday, December 18, 1984 — $5.28

PUBLIC NOTICE
The regular December meeting of the Hudson County Human Service Advisory Council is scheduled for Wednesday, December 12 1984 at 5 30 p.m. at Meadowview Hospital, Secaucus, N J
The agenda will include
— Update on Homeless Funding Recommendations and Plan
— Alcoholism Services Report
The public is welcome to attend
Dec. 5, 6, 1984—$16.50

NOTICE TO BIDDERS
Sealed Proposals will be received and opened by the City Purchasing Agent in the Municipal Council Chambers, City Hall, 280 Grove Street, Jersey City, New Jersey
ON TUESDAY, DEC. 18, 1984
AT 10:00 A.M.
FOR THE FOLLOWING
1) EMORY STREET SIDEWALK RECONSTRUCTION — CITY OF JERSEY CITY, NEW JERSEY PROJECT NUMBER 84 026
CONTRACT DOCUMENTS INCLUDING PLANS AND SPECIFICATIONS ARE ON FILE AT THE OFFICE OF THE CITY PURCHASING AGENT, 325 PALISADE AVENUE, JERSEY CITY, NEW JERSEY, AND WILL BE FURNISHED UPON PAYMENT OF $75.00 NON-REFUNDABLE FEE FOR EACH SET
BIDDERS ARE REQUIRED TO COMPLY WITH THE REQUIREMENTS OF P.L. 1975, C 127
The Provisions of N J S 10 5-31 et seq (BIDDERS ARE REQUIRED TO COMPLY WITH THE REQUIREMENTS OF P.L. 1975, C 127") (AFFIRMATIVE ACTION PROGRAM) are incorporated herein by reference Full requirements of the program may be obtained with Proposal Form
Specifications and Bid Forms may be obtained at the Office of the City Purchasing Agent, 325 Palisade Avenue, Jersey City, New Jersey
Proposals MUST BE ACCOMPANIED by a Bid Bond or Certified Check, made payable to the City of Jersey City, in the amount equal to Ten (10%) percent of the Bid
Proposals must comply with specifications and must be hand delivered when called for at the time and place aforementioned Bids must be submitted individually in sealed envelope addressed to the City Purchasing agent
The City Purchasing Agent reserves the right to reject any and all bids received, or portions thereof, if deemed to be in the best interest of the City to do so
ANNE M. DeLEVA,
City Purchasing Agent
Dec. 6, 10, 1984 — $67.76

CITY OF BAYONNE
PUBLIC NOTICE
NOTICE OF
CONTRACT AWARDED
The City of Bayonne has awarded contract without competitive bidding as a "Professional Service" pursuant to NJSA 40A 11-5(1) (a) of the Local Contracts Law This contract, and the resolution authorizing it, are available for public inspection in the office of the Municipal Clerk
Awarded to OPTHAMOLOGISTS, as needed
Services To provide professional opthamological services for senior citizens of the City of Bayonne for the year 1985
Cost For a sum not to exceed $2,500.00
Done pursuant to a resolution of the Municipal Council of the City of Bayonne adopted November 28, 1984
ROBERT F. SLOAN,
City Clerk
Dec. 6, 1984 — $11.52

LEGAL NOTICE
JERSEY CITY
BOARD OF ADJUSTMENT
TO WHOM IT MAY CONCERN
PUBLIC NOTICE IS HEREBY GIVEN TO ALL PERSONS THAT THE PUBLIC HEARING SCHEDULED FOR THURSDAY, NOVEMBER 29, 1984, TO WHICH APPLICATION FOR VARIANCE FROM THE ZONING ORDINANCE OF THE CITY OF JERSEY CITY WERE MADE SPECIFICALLY, WAS CANCELLED DUE TO THE LACK OF A QUORUM FOR USE VARIANCE APPLICATIONS
CALENDAR #2360 — APPLICANT — 799 PAVONIA AVENUE COMPANY, 218 YORK STREET, JERSEY CITY, NEW JERSEY — TO CONSTRUCT A PRIVATE OFF STREET PARKING LOT FOR 33 CARS AT 322-328 PAVONIA AVENUE, JERSEY CITY, N J SAID PREMISES A K A BLOCK #393, LOT NOS 5, 6, 7, 8
APPLICATION IS BEING MADE UNDER R S. 40 55D 70(d)
APPLICATION ALSO REQUIRES SITE PLAN REVIEW
CALENDAR #2360 — APPLICANT — PARK FRONT PROPERTIES, PER KEVIN HANLY, ESQ., KEANE, BRADY AND HANLON 40 JOURNAL SQUARE, JERSEY CITY N J — TO CONVERT EXISTING ELEVEN (11) UNIT RESIDENTIAL BUILDING TO TWELVE (12) UNIT RESIDENTIAL BUILDING AND REQUEST A VARIANCE FROM THE OFF-STREET PARKING REQUIREMENTS FOR PREMISES LOCATED AT 253 EIGHT STREET, JERSEY CITY, N J SAID PREMISES A K/A BLOCK #282, LOT #26
APPLICATION IS BEING MADE UNDER R S 40 55D-70(d)
APPLICATION ALSO REQUIRES SITE PLAN REVIEW
CALENDAR #2377 — APPLICANT — MR DEL PIANO, PER BRIAN DOUGHERTY, ESQ., CARROLL, PANEPINTO AND PAOLINO, ONE JOURNAL SQUARE PLAZA, JERSEY CITY, N J. — TO CONSTRUCT AN OFF-STREET PARKING LOT FOR EIGHT (8) CARS ON EXISTING UNDERSIZED LOT AT 421 BALDWIN AVENUE JERSEY CITY, N.J SAID PREMISES A K/A BLOCK 563, LOT #29F
APPLICATION IS BEING MADE UNDER R S 40 55D-70(d)
APPLICATION ALSO REQUIRES SITE PLAN REVIEW
CALENDAR #2381 — APPLICANT — PHILLIP CHESNEY AND EDWIN BOSCARINO, 3479 KENNEDY BOULEVARD, JERSEY CITY, N J — TO CONVERT EXISTING STRUCTURE WITH ONE COMMERCIAL UNIT AND TWO RESIDENTIAL UNITS TO THREE RESIDENTIAL UNITS AT 106 STORMS AVENUE, JERSEY CITY, N J. SAID PREMISES A K A BLOCK #1905 S, LOT #U
APPLICATION IS BEING MADE UNDER R S 40 55D-70(d)
CALENDAR #2382 — APPLICANT — EXXON COMPANY, USA, 1100 ROUTE #1, LINDEN, NEW JERSEY, TO DEMOLISH EXISTING VACANT RETAIL SALES, WAREHOUSE, AND RESIDENTIAL STRUCTURES, AND ERECT A GASOLINE SERVICE STATION AND CONVENIENCE STORE AT 2381-2391 KENNEDY BOULEVARD, JERSEY CITY, N J SAID PREMISES A/K/A BLOCK #1806, LOT NOS 33, 35, 36, 92A
APPLICATION IS BEING MADE UNDER R S 40 55D-70(d)
APPLICATION ALSO REQUIRES SITE PLAN REVIEW
CALENDAR #2383 — APPLICANT — RICHARD DOREN, 97 RIDGE ROAD, RUTHERFORD, NEW JERSEY — TO CONVERT EXISTING COMMERCIAL INDUSTRIAL STRUCTURE TO BUSINESS OFFICE AT 220 TONNELE AVENUE, JERSEY CITY, N J (A K A BRUNSWICK LAUNDRY BUILDING) AND CONVERT EXISTING VACANT LOTS TO A PARKING LOT AT 40 57 SKILLMAN AVENUE AND 74 LIBERTY AVENUE, JERSEY CITY, N J SAID PREMISES A K A BLOCK #635 LOT NOS. 82, 83, AND BLOCK #634, LOT NOS 178, 179, 180, 181A AND 201
APPLICATION IS BEING MADE UNDER R S 40 55D 70(d)
APPLICATION ALSO REQUIRES SITE PLAN REVIEW
CALENDAR #2384 — APPLICANT — JOHN BOBER, 6 HILL SIDE AVENUE, NUTLEY, NEW JERSEY — TO ERECT A THREE STORY RESIDENTIAL AND COMMERCIAL STRUCTURE AT 311 PALISADE AVENUE, JERSEY CITY, N J SAID PREMISES A K/A BLOCK #771, LOT NOS 1A AND 1C
APPLICATION IS BEING MADE UNDER R S 40 55D 70(d)
EDWARD G. DAVIN, III
CHAIRMAN
BOARD OF ADJUSTMENT
Dec. 6, 1984 — $69.96

CITY OF BAYONNE
PUBLIC NOTICE
NOTICE OF
CONTRACT AWARDED
The City of Bayonne has awarded contract without competitive bidding as a "Professional Service" pursuant to NJSA 40A 11-5(1) (a) of the Local Contracts Law This contract, and the resolution authorizing it, are available for public inspection in the office of the Municipal Clerk
Awarded to ARCHITECTS, as needed
Services To provide professional architectural services for senior citizens of the City of Bayonne for the year 1985
Cost For a sum not to exceed $11,375.00
Done pursuant to a resolution of the Municipal Council of the City of Bayonne adopted November 28, 1984
ROBERT F. SLOAN,
City Clerk
Dec. 6, 1984 — $12.60

INVITATION FOR BID
The Housing Authority of the City of Jersey City (hereinafter called the Authority) will receive sealed bids for
CALCIUM CHLORIDE/
ROCK SALT,
CENTRAL WAREHOUSE
At 10:00 A.M (prevailing time) On: Thursday, December 20, 1984 in the Conference Room of the Authority, 400 U S. Highway #1, Marion Gardens, Jersey City, New Jersey 07306.
Bidding documents, including plans and specifications, may be obtained at 400 U S Highway #1, Marion Gardens, Jersey City, New Jersey 07306 in the Purchasing Department.
The Authority reserves the right to reject any or all bids and to waive any informalities in bidding
Firms choosing to submit their bids via the "United States" mail are required to have said mail delivered prior to the appointed Bid Opening time Proper consideration must be given to allow for weekends and holidays. All bids shall be sealed in clearly labeled envelopes
All bidders will be required to submit a certified check to the order of the Housing Authority of the City of Jersey City for ten per cent (10%) of the amount of the bid or a bid bond for a like sum executed by a surety company qualified to do business in the State of New Jersey.
An appropriate surety's consent by a surety company qualified to do business in the State of New Jersey binding itself to become surety for the full and faithful performance of the contract for the protection of all persons furnishing labor or material for fulfilling the contract in an amount equal to one hundred percent (100%) of the amount of the contract is also required
Bids will be awarded only to the corporation or other entity under whose name qualifications, prequalifications, bonding documentation and other documentation are submitted Corporate affiliates, subsidiary or parent corporations or related entities are not automatically qualified
The successful bidder will be required to furnish and pay for satisfactory Performance and Payment Bond or Bonds in an amount equal to one hundred percent (100%) of the contract price.
The provisions of NJS 10 5-31 et Seq (P L. 1975, C 127) Affirmative Action Program are incorporated herein by Reference Full requirements of the program may be obtained with the proposal form.
No bid shall be withdrawn for a period of sixty (60) days subsequent to the date of the bid without the consent of the Authority Schedule of bid withdrawal and administrative charges are included with bid forms
Date December 6th and 7th, 1984
By. EDWARD J. MORAN,
Purchasing Agent
For ROBERT J. RIGBY, JR.,
Executive Director
Dec. 6, 7, 1984 — $89.76

THE HUDSON COUNTY
UTILITIES AUTHORITY
HUDSON COUNTY
NEW JERSEY
Request for
Engineering Qualifications
Prequalification List
The Hudson County Utilities Authority is requesting the submittal of qualification statements from engineering firms desiring to be included in the Authority's Prequalification List of engineering firms which may be requested to submit proposals for engineering services for wastewater facilities planning, facilities design and/or facilities construction management as provided in 40 CFR 33 230(c)
The Authority serves a population of 600,000 persons over a forty-six square mile area. All firms will be evaluated upon experience, technical competence of staff, scope and magnitude of other management projects, and past record of performance
Qualification statements should be submitted on G S A Forms 254 and 255, accompanied with only a concise cover letter Personal visits for the purposes of discussing the project are discouraged
Any contract awarded under this request for (Qualification/Professional Proposals) is expected to be funded in part by a grant from the United States Environmental Protection Agency. This procurement will be subject to regulations contained in 40 CFR Neither the United States nor the United States Environmental Protection Agency is nor will be a party to this request for (Qualifications/Professional Proposals) or any resulting contract
Qualification statements shall be forwarded to the address below by January 10, 1985. This is not a solicitation for proposals
JOSEPH LeFANTE,
Executive Director
HUDSON COUNTY
UTILITIES AUTHORITY
634 Summit Avenue
Jersey City, N J 07306
Dated November 28, 1984
Dec. 5, 6, 7, 1984—$92.40

Please take notice that Vito DePinto Realty Co., Inc. shall appeal to the Board of Adjustment for the Town of West New York for a variance from the existing zoning ordinance The variance shall seek to permit the use of premises to be sold at 5505-5517 Palisade Avenue, West New York, N J for the purpose of making and distributing garments.
The application is being made under N J S A. 40 55-39 (d).
The application shall be made at a public meeting of the Board of Adjustment for the Town of West New York on December 18, 1984 at 7 00 p m located at 428 - 60th Street, West New York, N J
Dec. 6, 1984 $11.00

INVITATION FOR BID
The Housing Authority of the City of Jersey City (hereinafter called the Authority) will receive sealed bids for
PLUMBING SUPPLIES,
CENTRAL WAREHOUSE
AT 2:00 P.M (prevailing time) ON: WEDNESDAY, DEC. 26 1984 in the Conference Room of the Authority, 400 U S. Hwy. #1, Marion Gardens, Jersey City, N J 07306
Bidding documents, including plans and specifications, may be obtained at 400 U S. Hwy. #1, Marion Gardens, Jersey City, New Jersey 07306 in the Purchasing Department
The Authority reserves the right to reject any or all bids and to waive any informalities in bidding
Firms choosing to submit their bids via the "United States" mail are required to have said mail delivered prior to the appointed Bid Opening time. Proper consideration must be given to allow for weekends and holidays. All bids shall be sealed in clearly labeled envelopes
All bidders will be required to submit a certified check to the order of the Housing Authority of the City of Jersey City for ten per cent (10%) of the amount of the bid or a bid bond for a like sum executed by a surety company qualified to do business in the State of New Jersey
An appropriate surety's consent by a surety company qualified to do business in the State of New Jersey binding itself to become surety for the full and faithful performance of the contract for the protection of all persons furnishing labor or material for fulfilling the contract in an amount equal to one hundred percent (100%) of the amount of the contract is also required
Bids will be awarded only to the corporation or other entity under whose name qualifications, prequalifications, bonding documentation and other documentation are submitted Corporate affiliates, subsidiary or parent corporations or related entities are not automatically qualified
The successful bidder will be required to furnish and pay for satisfactory Performance and Payment Bond or Bonds in an amount equal to one hundred percent (100%) of the contract price
The provisions of NJS 10 5-31 et Seq (P.L. 1975) Affirmative Action Program are incorporated herein by Reference Full requirements of the program may be obtained with the proposal form
No bid shall be withdrawn for a period of sixty (60) days subsequent to the date of the bid without the consent of the Authority Schedule of bid withdrawal and administrative charges are included with bid forms
Date Dec 5th & 6th, 1984
By EDWARD J MORAN
Purchasing Agent
For ROBERT J RIGBY, JR
Executive Director
Dec 4 & 1984 $44.00

PUBLIC NOTICE
TO ALL RESIDENTS OF
THE CITY OF JERSEY CITY
Public Notice is hereby given to all persons that Palisades Garden Ltd., with offices at 1409-4 Third Avenue, Spring Lake, N J., 07762, is petitioning the Planning Board of the City of Jersey City to grant site plan approval together with variances from the Zoning Code, relative to Article M Section 1404 Paragraph E, Area Yard and Bulk and Article 4 Section 407 Off-street Parking and Loading Requirements, Paragraph H, Driveway Width, for property located at 354-358 Palisade Ave., and 179 Ogden Ave., also known as City Tax Block 739, Lots 15, 16, 17 and G, within the City of Jersey City, New Jersey
Palisades Garden Ltd., is requesting the Planning Board grant a variance to exceed the maximum area yard and bulk requirements and driveway width in accordance with New Jersey Statute 40:55D-60-a. Palisades Garden Ltd., is filing for a variance pursuant to New Jersey Statute 40 55-70-c (Hardship Variance)
Said Planning Board Meeting will be held on Wednesday, December 19, 1984, at 4 30 P M in the Council Chambers at City Hall, 280 Grove Street, Jersey City, New Jersey
Said application is on file and available for inspection in the office of the Division of Urban Research and Design, 26 Journal Square, Jersey City, New Jersey, between the hours of 9 00 A.M. and 4 00 P M
This Notice is published pursuant to N J S 40:55-12-a
JOHN E STRZALKOWSKI
J E R Associates
Agent for Applicant
Dec. 6, 1984 $33.00

CITY OF BAYONNE
PUBLIC NOTICE
NOTICE OF
CONTRACT AWARDED
The City of Bayonne has awarded contract without competitive bidding as a "Professional Service" pursuant to NJSA 40A 11-5(1) (a) of the Local Contracts Law This contract, and the resolution authorizing it, are available for public inspection in the office of the Municipal Clerk
Awarded to DENTISTS, as needed
Services To provide profession al dental services for senior citizens of the City of Bayonne for the year 1985
Cost For a sum not to exceed $[illegible]
Done pursuant to a resolution of the Municipal Council of the City of Bayonne adopted November 28, 1984
ROBERT F. SLOAN,
City Clerk
Dec. 6, 1984 — $11.52

NOTICE OF DECISION
OF THE PLANNING BOARD OF
THE CITY OF JERSEY CITY
TO WHOM IT MAY CONCERN
Public notice is hereby given to all persons that at its regular meeting held on November 28, 1984, the Planning Board reviewed an application for conditional use, side yard variances and site plan approval submitted by New Jersey Bell Telephone Co., 650 Park Avenue, East Orange, N J., regarding 204 York Street, Lot H-1 Block 200
The said application was approved by the Planning Board and the file on this application is available for inspection in the office of the Division of Planning upon request during the hours of 9 A M to 4 P M at City Hall, 280 Grove Street, Jersey City, New Jersey
This notice is published pursuant to N J S A 40 55D-10 (1)
CHARLES R INTERDONATO
(for) N J Bell Telephone Co
650 Park Avenue
East Orange, N J 07017
Dec. 6, 1984 — $19.25

NOTICE OF PARTIAL LIQUIDATING DISTRIBUTION to the Shareholders of Chelsea National Bank Notice is hereby given that pursuant to the Plan of Voluntary Liquidation of Chelsea National Bank (the "Plan") adopted April 11, 1972, and authorization by unanimous written consent of the Board of Directors of Chelsea National Bank (the "Bank"), the Liquidating Committee of the Bank made a partial liquidating distribution ("Distribution") of thirty cents ($.30) per share to all shareholders of Common Stock of the Bank ("Stock") of record as of the close of business on June 30, 1984. This is the second partial liquidating distribution pursuant to the Plan, the first of which occurred on February 29, 1980. There will be at least one additional partial liquidating distribution pursuant to the Plan If you are a record shareholder of the Bank and have not as yet received your distribution, please contact the undersigned, counsel for the Liquidating Committee of the Bank
Lance S. Adler, Esq
Finley, Kumble, Wagner, Heine, Underberg, Manley & Casey.
425 Park Avenue,
New York, New York 10022
212 371 5900
Dec. 6, 13, 20, 27, 1984 — $153.08

SUPERIOR COURT OF
NEW JERSEY
DOCKET NO. FM 10313 84
TO Barbara Basnueno Felipe Cerra, Defendant
YOU ARE HEREBY SUMMONED in a Civil Action in the Superior Court of New Jersey wherein Miguel Cerra is the plaintiff and you are the defendant, and you are required, on or before January 26, 1985, to serve upon Hudson County Legal Services Corp., Georgeann Schmidt, Esq., plaintiff's attorney(s) at 574 Newark Avenue, Jersey City, New Jersey, an answer to the complaint and to file the answer with the proof of service, in duplicate, with the Clerk of the Superior Court, P O Box 1300, Trenton, N J 08625. If you fail to do so, an appropriate judgment will be rendered against you in favor of the plaintiff
This civil action was instituted to obtain a divorce
s/ GEORGEANN SCHMIDT, Esq
Attorney(s) for Plaintiff
Dec. 6, 1984 — $14.96

CITY OF BAYONNE
PUBLIC NOTICE
NOTICE OF
CONTRACT AWARDED
The City of Bayonne has awarded contract without competitive bidding as a "Professional Service" pursuant to NJSA 40A 11-5(1) (a) of the Local Contracts Law This contract, and the resolution authorizing it, are available for public inspection in the office of the Municipal Clerk
Awarded to ARTHUR YOUNG COMPANY, 277 Park Avenue, New York, New York 10172
Services For assistance to the City of Bayonne in the privatization of its wastewater treatment facilities
Cost For an amount not to exceed $25,000.00
Done pursuant to a resolution of the Municipal Council of the City of Bayonne adopted November 28, 1984
ROBERT F. SLOAN,
City Clerk
Dec. 6, 1984 — $12.24

IN PARLIAMENT

Crosland goes in fighting

By GEORGE GARDINER

E FIGHT for Labour's deputy leader- turned into a savage criticism of Wilson's leadership yesterday as the ty reeled from the shock of the thy Tydfil by-election.

Mr. Anthony Crosland declared he was ding "to give the party a sense of direction."

e are set on a course lf - destructive mad- I am standing in st," he said.

immediate reaction of r M.P.s was that if this ot a direct criticism of Mr. Wilson's leader- had done for the , then nothing was. me is running out," Mr. and went on.

election in 1973 is a possibility. It is ately urgent to ate party unity on the of a radical, egalitarian ist programme."

significance of this is he has chosen to run a ticket of protest st the present state of arty.

Unity

rtheless, the con- s of opinion among r M.P.s is that Mr. rd Short remains the runner, with Mr. eal Foot not far behind. like Mr. Crosland, they not issued a "mani- " stating positions on and that.

eryone knows what Mr. stands for. And Mr. known that if M.P.s ere on the party issue, ere most likely to vote him.

wever, Mr. Crosland's criticisms undoubtedly the feeling of many r M.P.s, which were re- deepened yesterday by result from Merthyr

t which used to n a Labour M.P. with rities of more than 0, has now given a paltry total of just The Tories, Nationalists and the Liberal mined their votes from tion to the General tion to 11,000.

Offers

ughout the pattern of ish and Scottish result Labour when the y was in power is being tested in opposition.

many Labour M.P.s too eager to lay the ion on Mr Roy Jenkins's ership and all the mes of a fundamental split that followed.

ers pleaded that ery who was the result of unique set of local

the first reaction that current state of the our Party hardly provides candidate with the sition to fight off such allenge.

reservable, Mr. Wilson rs signs of getting strongly worried over his position

Crane man collapses

rowers rammed a crane r who collapsed at the ock of his crane at n yesterday.

e unknown name was released, was taken the engineering works Crompton and Harrison to Sunderland Royal mary.

SIR BRANDON

One vote against vasectomy Bill

ONLY one M.P. voted yesterday against the third reading of a Bill which will provide for a voluntary vasectomy service as part of the National Health Service.

The Bill, presented by Mr. Phillip Whitehead, Labour M.P. for Derby North, got its third reading by 75 votes to one in a sparsely attended Commons.

It now goes to the Lords.

The single "no" vote came from the Conservative M.P. for Kensington South, Sir Brandon Rhys Williams.

The formal motion that the Bill should be read a third time, put to just over 23 members, brought loud shouts of "no" from two of the principal opponents, Mr. Anthony Fell, Conservative, Yarmouth, and Mr. John Biggs-Davison, Conservative, Chigwell.

But the Deputy Speaker, Miss Harvie Anderson announced that the Bill had been read a third time.

This brought Mr. Fell to his feet in protest, and Miss Anderson said she did not hear the opposing voices.

Mr. Fell: "Then there must be something wrong with the computation system."

The Deputy Speaker then said that she heard voices the second time she put the question, and offered to put it again.

She did so by a full-throated shout of no from the two main opponents, who then acted as tellers for the noes.

Mr. William Hamling, Labour, Woolwich West and Mr. Dick Leonard, Labour, Romford, were tellers for the supporters of the Bill.

Cleared dean off to London

JOHANNESBURG, Friday.

E Dean of Johannesburg, the Very Rev. Gonville ench Beytagh, who was acquitted of terrorism rges today, left here tonight on a direct flight for London.

The 49-year-old priest, a British subject and outspoken critic of apartheid, was convicted in Pretoria Supreme Court last year on three charges and given the minimum sentence of five years.

In a 136-page judgment handed down by the appellate division of the Supreme Court today the Chief Justice, Mr. Justice Ogilvie-Thompson, said the trial judges had erred in finding the Dean guilty on any of the counts and ordered the conviction and sentence to be set aside.

Church bells rang out in Johannesburg but the bells of his own cathedral were silent when the Dean arrived for a special thanksgiving service after the verdict.

Several cathedral workers said the police had told them not to continue ringing the bells because of unnecessary noise.

Holiday

But when the stocky, white-haired Dean walked through the doors he was surrounded by well-wishers, nearly all African.

"I hope he won't be considered as a ring leader in this country," said Mr. Poet.

● The "Phreaker" places the blue box over the telephone mouthpiece, presses a button and receives a high pitched bleep.

He is then "up on tandem," which means that he is ready to punch out the code he wants by pressing a button on the face of the box.

Award for fireman

male nurse was awarded British Empire Medal nday in recognition of service he has given in other job — as a fire- r. Tom Schofield, of ide, County Durham, senior charge nurse at ersea Hospital by night by day he is station in charge of 30 men ridgefield fire station. He been a part-time fire- for 34 years.

Labour toes rents line

By PETER HETHERINGTON
Our Municipal Reporter

ANY future Labour-controlled Newcastle City Council will abide by the Government's controversial Housing Finance Bill

The city Labour Party has decided not to recommend a tough line of no co-operation with the Government to the council's opposition Socialist group.

Some Labour councils and opposition groups are refusing to implement the Bill, which becomes law in July.

Policy

If they take such a stand the Government will send in a commissioner to take over housing affairs.

Last week Newcastle City Council's Labour group turned down a militant motion from some councillors urging a tough line.

Now the city party—the policy making body—has decided a future Labour city council should toe the line.

Coun. Mrs. Doris Starkey, the city's Labour agent, said yesterday. "There was general agreement that, while we opposed the Bill, the legal requirements should be met."

The Left-Wing Tribune group of Labour M.P.s is now urging councils to take the tough line.

The Bill introduces a system of "fair rents" for council house tenants. It will mean increases for many but rebates for the lower paid.

Cyanide clean-up

Steps are being taken to clear up cyanide waste dumped in Hampshire.

Nearly 1,000 gallons of barium cyanide have been found and Portsmouth corporation said drums of cyanide waste deposit had been dumped in their area between July, 1970, and June last year.

Oil delivery

Iraq has agreed to deliver 7,000,000 tons of oil to Russia over the next four [illegible]

Discotheque row led to suicide

Coroner tells of tormented mind

By Journal Reporter

A YOUNG man took his life on a railway line after badly injuring his fiancee during a tiff at a discotheque.

This was said at a Berwick inquest yesterday on Jimmy Patterson, a 20-year-old joiner of West Street, Spittal.

And the jury heard that police were searching for Patterson to prefer charges against him when his body was found by a rail technician on the main East Coast line only a few hundred yards from the discotheque.

He had been killed by a train travelling at 60 m.p.h.

Mr. Ian Percy, the coroner, said that Patterson had a violent quarrel with his fiancee, Maureen Swinney, aged 22, of Sandstell Road, Spittal, in the Red Lion public house.

It reached such a pitch that Patterson either threw a pint glass at her or jabbed it in her face.

Remorse

Mr. Percy added: "Patterson ran from the building. I have no doubt when he got into the cool air a feeling of remorse came over him. The first thing he would think of would be whether he had marked his fiancee for life, which could have been the case.

"His mind would be obsessed with the terrible sight of her face. Then he would wonder if she would become so disgusted and feel she had been badly treated that she would give him up. I have no doubt this preyed on his mind. He did not have the courage to talk it over."

Mr Percy went on: "It must have been frightening. He must have been faced with mental torment."

The coroner said that the couple were planning to marry.

"It was a long-standing friendship which blossomed into love," said Mr Percy, who added that the youth's mother, Mrs Ellen Patterson, had identified her son by two rings, a watch and a tie found beside his badly mutilated body on the Edinburgh to London line.

Emotion

Police Sergeant W Adams told the inquest that Miss Swinney had 16 stitches inserted in a face wound and Patterson, whose body was found 12 hours after the incident, would have been charged.

Mr Percy described Patterson as a young man who was "very possessive and emotional and easily became jealous."

The jury returned a verdict that Patterson committed suicide while his mind was temporarily disturbed.

Hopes of fiver fortune

STEVE [illegible] Raymond Hutchinson could hardly believe his eyes when he saw the Queen and the Duke of Wellington side by side on a £5 note.

For the Duke, who conquered Napoleon at Waterloo in 1815 and later became a British prime minister, normally stands alone on the reverse side of the new issue blue £5 notes.

But a customer visiting Carter's Wine Lodge in Nun Street, Newcastle, presented Mr Hutchinson, who works there, with a rather different version of the fiver.

For the Queen and words "Bank of England" have been superimposed on the reverse side of the note.

Her Majesty stands rather uncomfortably in the middle of one of the Duke's famous battles in the early 19th Century.

Last night a Bank of England spokesman in London advised Mr. Hutchinson, aged 41, of Alwinton Close, Newbiggin Hall Estate, Westerhope, to take his mysterious note along to the Bank's Newcastle branch for examination.

Mr. Hutchinson said yesterday: "I have already had offers of £50 for it but I don't want to sell until I have a clear idea of what it might fetch.

"Cashiers at my local bank have told me that the note looks quite genuine and friends who collect coins have advised me to hang on to it."

'Phreaking' out radio ham fined

DUNCAN CAMPBELL liked to call up people on the telephone. But the calls were to Moscow, Los Angeles and Melbourne—and Campbell, an Oxford student—didn't pay for any of them.

Until yesterday, when he was fined a total of £200 with £200 costs for making international telephone calls by the "phreaking" system.

Campbell, a physics student at Brasenose College, admitted at Oxford magistrates' court, two charges of dishonestly using the telephone system with intent to avoid payment. He asked for five other offences to be considered.

Mr. Russell Harris, prosecuting for the Post Office, said Campbell, who comes from Strathern Road, Dundee, was the first person in Britain to be prosecuted for using the device.

American

He said the blue box used for "phreaking" was an American invention.

In this case the only difference was a dial on the box instead of buttons.

The illegal system took over by using certain codes along with the blue box simulator.

In February it became obvious that calls were being made from Oxford which were passing through trans-atlantic routes, said Mr. Harris.

Plotted

Post Office investigators plotted these and found they were being made from two telephones in St. John's College.

The calls, said Mr. Harris, were being made to various places, including Moscow, Melbourne, and Washington, Virginia and Los Angeles.

The two calls in the court charges concerned one to a "Place of ill-repute on Sunset Boulevard, Los Angeles, and the other to a man called Vladimir in Moscow."

The call to Moscow, alleged Mr. Harris, said: "I'm phoning from London to express solidarity from the English Jewish students and we sympathise with you."

Radio hour

Mr. Anthony Peet, defending, said Campbell's interest in the telephone arose because of his scholarship in physics and his interest in electronics and telecommunication. He was also a radio ham.

"I hope he won't be considered as a ring leader in this country," said Mr. Peet.

● The "Phreaker" places the blue box over the telephone mouthpiece, presses a button and receives a high pitched bleep.

He is then "up on tandem," which means that he is ready to punch out the code he wants by pressing a button on the face of the box.

B-test still effective

The breathalyser was still helping to cut accidents around pub closing time, three years after it was introduced, a Government report claimed yesterday.

The report also shows that 23 per cent. of pedestrian casualties were people who emerged from behind stationary vehicles, and nearly 16 per cent. were people walking, playing or working in the road without attempting to cross.

A price on her head

The Thai government has offered a reward of £366 for the capture "dead or alive" of a 19-year-old former beauty queen who is now a Communist guerilla leader.

Major-General Sant Chitpatima said that the girl, known only as Miss Precisit, went to North Vietnam two years ago for guerilla training.

Rhodesian barred

The Australian government has barred Rhodesian delegate, Mr. Godfrey Carmichael, from attending a conference in Canberra next week.

Mr Carmichael, was to have attended a conference of an international commission on large dams.

Dr. Miller champions health service

NEWCASTLE University's Vice - Chancellor, Dr. Henry Miller, yesterday came to the support of the North-East's health service — recently under heavy attack from hospital consultants.

He dismissed the criticisms as alarmist.

"I would sooner be a patient in practically any National Health Service Hospital than in a private hospital," he said.

His reply followed allegations of serious understaffing and disintegration from the Regional Hospitals' Consultants and Specialist Association and a North-East consultant, Mr. T. C. B. Serjeant.

Dr. Miller said: "It would be wrong to pretend that everything is perfect.

"But the difficulties we face are less than almost any other developed country in the world.

"The best solution to the understaffing problem is to train more young doctors and that is what we are doing in the North-East.

"We are going to double the output of Newcastle's Medical School so we should be able to meet the needs of the region from our own domestic resources."

A final wave from members of Cramlington Round Table before setting off on a marathon charity drive.

Marathon cash drive

ROUND Tablers from Cramlington last night set off on the first leg of a marathon fund-raising drive.

Their target during the next eight days will be to visit every Round Table in Britain to raise money for the NSPCC, and this is the first time such a nation-wide tour has been attempted.

By Journal Reporter

Eleven members are taking a week off work for the drive, and will cover net areas of England, Scotland and Wales. Another 14 will spend the weekend and their spare time next week visiting North-East Round Tables.

At each Table they visit, they will also help to put the North-East on the map by handing out Northumberland Tourist Board publicity leaflets.

"It is going to be an exhausting week," said Mr Ken Bowman, of Haraham Grove, Cramlington, the trip organiser. "But we are hoping it will raise well over the four-figure mark for the society."

Puzzle of missing youngsters

By IAN HEPBURN

A PUZZLE surrounded the whereabouts of a South Shields mathematics student and his ballerina girlfriend last night.

David Fergus, 19, of Gerne Avenue, South Shields, borrowed his father's car for a tour of ballet theatres on the Continent where his girlfriend, Jane Morgan, 17, was seeking work.

But last Friday, on the eve of the couple's scheduled return, David's father, Mr Herbert Fergus received a telegram from David, stranded in Nantes.

The telegram read: "Clutch useless. New clutch £56. Enough money for one week. No help. No RAC. No embassy."

Since then, no word has been heard from the couple, who were travelling in a Ford Cortina. The postcards and letters sent by Jane to her home at The Meadowrow Hotel, Elmer Sands, Middleton-on-Sea, Sussex, stopped suddenly.

And, says David's father, despite a week of frantic calls to the Foreign Office, the British Embassy in Paris, the police and the Post Office, he has failed to get a search started, or to send any money.

Unfortunately, David, a first-year student at the Imperial College, London, failed to give a forwarding address when he sent the cable.

Mr. Fergus, an instructor at the Killingworth Government Training Centre, went immediately to his local post-office to arrange to send the £56 to Nantes.

But he was told he could not send any money to a person without a permanent address in France.

Mr Fergus asked South Shields police to contact their French colleagues and start a search.

The police said it could only be organised through Interpol. And they refused to act unless a person had been missing for more than 14 days.

He then put in a call to the British Embassy in Paris, pleading with them to help trace the couple. They replied that David was an adult and nothing could be done.

The Foreign Office in London told him the same story.

Mr Fergus again called the British Embassy in Paris, and explained that David's girl-friend was a minor.

The Embassy told him that even so, a search could not be launched without a personal representation from the girl's father.

Jane's father, hotelier Mr. Peter Morgan, was on holiday in Italy with his wife and three other children, and out of touch.

Last night, Mr. Morgan had returned home and had spoken to the British Embassy.

"When we got back we were greeted by a phone call from the police," he said.

Watch this birdie

WATCH the birdie. That's the message from Murton photographers about their current pin-up, 17-year-old Jackie Short.

Members of the County Durham photographic club reckon they know a beauty when they see one, and Jackie, of Burnip Road, Murton, is their latest model to hit the Coal Queen trail.

Two years ago it was Jean Robson who struck a rich seam and went on to become the national Coal Queen.

Then last year Rosemarie Osborne came out tops in the search for a Durham Coal Queen.

Now it may be the turn of Jackie, whose father, Mr. Charles Short, is president of the photographic club.

"Last year I was just too young to enter the competition, but I'm eligible this year and I'm hoping to make up for lost time," said Jackie.

By Journal Reporter

Rap for landowners

RAMBLERS yesterday condemned country people who set a "mass of illegal barriers" across footpaths and walks in Northumberland.

And they claim that some landowners and farmers are deliberately discouraging people from using rights of way.

The 33rd annual report of the Ramblers' Association, Northern Area, says that ramblers are as concerned as ever about obstructions.

"We still have to be convinced that there is not a concerted effort being made by some landowners and farmers to discourage, even deter people from using rights of way."

Mr John Woodcock, secretary of the National Byways Union, said that the claim that farmers deliberately obstructed paths was untrue.

"The only people who put money into the countryside are the farmers," he said.

"If the Ramblers' Association would start working in co-operation with the farmers, rather than just criticising, I think they would get much further.

Home loans record

Building societies' chief, Mr Stanley Morton, yesterday rejected the idea of cutting back loans to help check soaring house prices.

His decision came as the Building Societies' Association announced a record £301m in home loans last month.

Cathedral services

TOMORROW

Newcastle: St. Nicholas, 8 a.m. Holy Communion, 9 a.m Matins, 9.30 a.m. Parish Communion; 6 p.m. Evensong. St. Mary's: Mass at 7 a.m., 8 a.m., 9.30 a.m., 10.30 a.m., 11.30 a.m. and 6.30 p.m.

Durham: 7.50 a.m. Litany, 8 a.m. Holy Communion, 10.30 a.m. Matins, 11.30 a.m. Holy Communion; 3.30 p.m. Evensong.

Cartmel: 7.50 a.m. Litany; 8 a.m. Holy Communion, 10.30 a.m. Matins; 11.30 a.m. Eucharist; 3 p.m. Evensong, 6.30 p.m. Evensong.

Sunday Sun

Something for all the family on Sundays

SPECIAL THIS WEEK

WHO ARE THE NORTH'S HEART-THROB FOOTBALLERS?

George Best gets more than his fair share of female attention. It's time we North-East women shouted the praises of our soccer lads! This week She-page starts the ball rolling with a few names. And invites suggestions from you.

MY MUM'S THE BEST BECAUSE...

Last week we asked you to tell us why. This week we publish your answers. And find out who wins the prize for the best letter.

WHO SHOT THE AUROCHS!

Dan O'Neill continues this probing series about visitors from the stars. And comes up with some challenging questions. Like was the Lambton Worm a flying saucer?

LAKELAND IN THE SPRING

A colourful guide to a colourful country

BEST FOR SPORT ON SUNDAY

Top reporters cover the top North-East soccer matches.

BRISTOL CITY v. SUNDERLAND — Paul Chester
MIDDLESBROUGH v. NORWICH CITY — Ivor Broadis
CARDIFF CITY v. CARLISLE UNITED—David Alexander
STOKE CITY v. ARSENAL — Basil Easterbrook
LEEDS UNITED v. BIRMINGHAM — Bob Harris

Plus reports on Crewe v. Hartlepool, Lincoln v. Darlington and Workington v. Newport.

Sunday Sun
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2017	You Are So Beautiful • *Joe Cocker*
2033	Endless Love • *Diana Ross*
2039	Woman in Love • *Barbra Streisand*
2042	Unforgettable • *Nat King Cole*
2045	Unchained Melody • *Righteous Bros.*
2049	It Had to Be You • *Harry Connick, Jr.*
2057	How Sweet It Is (To Be Loved By You) • *James Taylor*
2062	You Light Up My Life• *Debby Boone*
2078	Have I Told You Lately (That I Love You) • *Rod Stewart*
2091	I Honestly Love You • *Olivia Newton John*
2095	My Funny Valentine • *Johnny Mathis*
2099	I Will Always Love You • *Whitney Houston*
2417	I'll Make Love to You • *Boyz II Men*

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Poverty Body Tightens Rules

From Page A-1

ed representatives was defeated, however.

The board agreed the CAC Executive Committee will meet within the next 10 days with representatives from each of the groups.

The three board members seated last night filled existing vacancies. They are Jesus Escobar of the local United Farm Workers Organizing Committee, Ralph De Anda, president of the Mecha Club at California State College, Stanislaus, and Betty Ault of the Airport District Helping Hands Organization.

The airport group supported the Concilio in its demands and the group was included in the motion for additional CAC representation.

One young girl from the airport district shouted: "We aren't going to let the blacks run over the Mexican-Americans."

Also seated on the board, but according to the agenda, was Head Start parents group representative Patricia Mathias.

Representatives of the state and federal Offices of Economic Opportunity attended the long meeting and criticized the demonstration by the audience.

Salvador Espana, deputy director of operations for the state OEO, and the man who recommended the governor veto the Stanislaus program, told the board one of the reasons for the veto was a lack of ethnic balance on the board of directors.

However, he said, the state does not approve of "coercion and perhaps intimidation. Next month it could be another group. Then out go the Mexican Americans and in goes another group."

Sue Oliver, representing the federal regional OEO in San Francisco, later told the board such demonstrations sometimes are "necessary. It looks like you're not willing to take care of business. I know this is not true."

Mrs. Oliver said she, too, has been concerned about the representation of the Mexican community. However, she noted, any request to increase the size of the 36-member board may be denied by her office since efforts are being made to make such boards smaller in size in order to make them easier to manage and to reduce costs of training. CAC board members are not paid.

Eight Requests

The eight recommendations cited by Espana in a letter to the board and adopted last night are:

—To close all bank accounts established without board approval.

—Establish a policy requiring two board members to sign all agency checks.

—Stop agency director Thomas DeVine from transferring funds from one program account to another without prior board approval.

—Prohibit DeVine from entering into contractual agreements without board approval.

—Require board approval for out of county or state travel by staff members.

—Cut off further funds to a CAC farming project in south Modesto until the board and OEO has determined if the project, operated by a CAC board member, is permitted.

—Delineate DeVine's responsibilities and authority.

—Develop an immediate affirmative action plan to bring about proper ethnic balance throughout the agency.

To Pay Staff

After a plea for funds by Jayne Coburn, director of the Senior Opportunity Service Center, a delegated CAC program for the elderly, the board agreed if money is made available to the agency her agency will receive it to pay eight staff members who have gone without pay for more than six weeks while all other CAC programs have been able to meet their payrolls.

The board denied a request by Christopher Hamilton, directing attorney of the agency's delegated legal service program, to seek funding from OEO for his $80,000 legal aid project.

Hamilton said the CAC administration took $21,000 from his program and used the money to pay staff members in other programs.

Planners OK Long-Range Airport System Proposal

From Page A-1

1992, according to the study. Airports in Oakdale, Turlock and Patterson will serve general aviation outside the metropolitan area.

The consultants frowned on Turlock's proposed northwest airport site as less feasible than expansion, and possible municipal ownership, of John Souza's airport southwest of the city.

No specific recommendations were made, however.

Planning Commissioner David Stenzel of Turlock noted the study showed Souza's airfield has "real weaknesses" for expansion, because two roads have to be closed and an irrigation lateral covered if runways are extended.

Motel-Restaurant

Among the projects recommended are expansion of the Modesto passenger terminal, more storage and parking facilities and the construction of a motel-restaurant at the airport.

Each of the three smaller airports, Oakdale, Patterson and Turlock, may need expanded runways.

About $1.6 million in state and federal aid could be expected to help defray costs, the consultants stated.

The plan also recommends:

—Acquisition of the Crows Landing Naval Air Station if it is made available by the federal government.

—Development of a program to promote better and more comprehensive scheduling of airline and air taxi service.

—Protective zoning around airports.

—Encouragement of air freight as well as air travel.

AP Wirephoto

Fishy Flagpole Rivalry

A flag flies from one of the Department of Housing and Urban Development's new 80-foot flagpoles. HUD installed the poles at a cost of $26,381 in a Washington rivalry with the Department of Transportation, which has two 73-foot poles. The photo was made with a fisheye lens.

'Phone Phreaking' Appears On Rise

SAN FRANCISCO (AP)—Despite stiff fines and long jail terms, "phone phreaking"—the use of an innocent-appearing "blue box" to call free anywhere in the world—is apparently on the increase.

Phone company officials say there were 45 arrests of phone phreaks across the nation in 1971, compared to only six in 1970. There have been seven arrests in California this year.

In the San Francisco Bay Area, phone phreak sources estimate from 7,000 to 10,000 of the "blue boxes" are in in use.

Homemade Device

The blue box is a homemade device about the size of a transistor radio which contains 13 numbered buttons on the front resembling a touch-tone telephone.

By duplicating the calliope tones sometimes heard in the background on long distance telephone calls, the blue box enables phreaks to control the phone company's long-distance switching systems and call free anywhere.

Are phone phreaks hard-core criminals? Nick Clainos, a San Francisco attorney who represents phone phreaks, thinks not.

Electronical Geniuses

"They're electronical geniuses who got sidetracked. Most quit phreaking after their first brush with the law," he said.

That brush can be painful. Possession of a blue box is against federal law—convictions can bring five years in prison or $5,000 fine.

Reagan Again Kills Professors' Raises

From Page A-1

who have the ability to learn but who have not been discovered."

When notified of the veto, Brown called Reagan a liar and accused him of "dishonesty, ignorance and callous disregard for individual rights."

Brown said Reagan is misrepresenting the facts by saying the bill would prohibit school districts from utilizing any test which would measure scholastic aptitude.

Knows It Is Lie

"This is a lie and the governor is well aware of the fact it is a lie," Brown said in a statement. "The bill allows local boards full discretion to provide for the evaluation of a child's scholastic aptitude but it must be done on an individual basis by a qualified person."

He said he would attempt to override the veto, which would require two-thirds votes of both houses of the legislature. But a veto has not been overridden since 1948.

The Senate had passed the bill 27-2, and it won Assembly concurrence in Senate amendments on a 48-14 vote.

Bills Signed

The governor approved bills which would:

—Give fathers just as much right to have custody of children as mothers do. (AB 662, Dunlap).

—Prohibit the manufacture or importation for sale of glazed ceramic tableware with excessive lead or cadmium. (AB 508, Pierson).

—Appropriate $4.6 million to county and regional air pollution control districts to enforce non-vehicular smog regulations. (AB 1582, Biddle).

—Require studies of the feasibility of providing public recreational access to rivers where bridges are constructed. (AB 320, LaCoste).

—Pass on the 20 per cent increase in Social Security benefits to 525,000 aged, blind and disabled Californians. This will increase welfare payments by about $12 a month starting Oct. 1. (AB 1204, McCarthy).

—Allows the state to dispose of Fresno State College's Ratcliffe Stadium with the proceeds to go to a new stadium. (AB 342, Maddy).

Ancient Spear Point Is Found

WARDEN, Wash. (UPI) — Archeologists have found a 10,000-year-old spear point made from the bone of an ancient mammal.

The bone point was seven inches long and serrated along one side to give it a barbed effect useful in spearing fish, said Dr. Henry Irwin, one of the scientists at the Lind Coulee excavation site near Warden.

NY Tightens Firearms Use By Policemen

NEW YORK (UPI) — A deputy police commissioner announced Thursday new rules will go into effect prohibiting policemen from firing their guns from speeding cars or in situations where bystanders might be endangered.

In addition, Deputy Commissioner Benjamin Ward said review boards will be set up to investigate incidents in which policemen fire their weapons.

Ward revealed the tightening of firearms use at a community meeting on Staten Island. An 11-year-old boy running from a stolen car was shot and killed by a policeman Tuesday in Staten Island.

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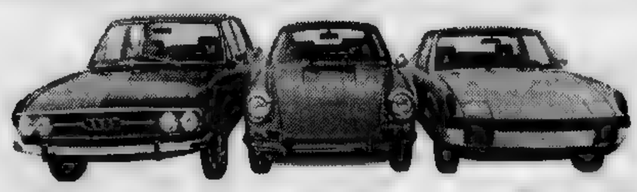
the  PORSCHE AUDI

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Gannett News Service

Tone-deaf sweethearts who just want to call and say "I love you" can rely on the pros and "mail" a musical Valentine over the phone lines, courtesy of Send-A-Song.

Send-A-Song is "for people who can't say (I love you) in a way they want, so they use the lyrics and music to express themselves," says Dan Price, the venture's co-founder.

The sappy idea spawned three years ago from some practical brainstorming.

Dan and Tim Price, northern Virginia brothers, were wondering how they could benefit from voice processing technology – that telephone wizardry that allows companies to interrupt your dinner with automated sales calls.

"There's got to be something good to come out of that technology," says Dan Price, 36, remembering the birth of his business.

The brothers remembered how their younger sister, Eileen, who would sing her sisterly feelings onto their telephone answering machines.

"If you didn't call her for three weeks, she'd sing 'You Don't Send Me Flowers Anymore,' " Dan Price says.

Figuring that the greeting card industry has made billions from people's inability to express themselves, the Prices invented Send-A-Song, where customers use minute-long snippets of musical hits to say what they feel.

Customers call 1 (800) SEND-A-SONG and are coached by a recorded voice that asks what song they want to send and to whom they want to send it. Callers choose from a 175-song playlist – from Bing Crosby's "Happy Birthday" to Sister Sledge's "We Are Family" – and add a 20-second personal message.

The computer dials the recipient and leaves a message if he or she is not in. A live operator will follow up if the call is disconnected or someone refuses to take a message. Dan Price says 98.5 percent of calls go through. Money is refunded for those that don't.

Send-A-Song, which can be ordered minutes or months before a special occasion, costs $9.95 per song or, as a special Valentine's Day package, $19.95 to send three songs.

Top Send-a-Song songs

Top Send-A-Song selections sent for Valentine's Day 1993:

Men:

1. "I Just Called To Say I Love You," performed by Stevie Wonder
2. "Have I Told You Lately (That I Love You)," Rod Stewart
3. "Unchained Melody," Righteous Brothers

Women:

1. "I Just Called To Say I Love You," Stevie Wonder
2. "I Will Always Love You," Whitney Houston
3. "Crazy for You," Madonna

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MRS. DOUBTFIRE — ROBIN WILLIAMS, SALLY FIELD — PG-13 — *(3:45 @ $3) 7:00 • 9:45 — No passes or Monday disc
TOM HANKS, DENZEL WASHINGTON — PHILADELPHIA — PG-13 — (4:00 @ $3) 7:15 • 10:00
JACK LEMMON, WALTER MATTHAU, ANN MARGRET — GRUMPY OLD MEN — PG-13 — (2:50 • 5:10 @ $3) 7:30 • 9:55
Gerard Depardieu — My Father the Hero — PG — (3:05 • 5:20 @ $3) 7:25 • 9:35 — No passes
Nick Nolte, Albert Brooks — I'll Do Anything — PG-13 — *(2:40 • 5:15 @ $3) 7:40 • 10:10 — No passes or Monday disc
RICHARD GERE, SHARON STONE — INTERSECTION — Make every move as if it were your last — R — (3:00 • 5:30 @ $3) 7:50 • 10:05
IRON WILL — PG — (2:30 • 4:50 @ $3)
Madeleine Stowe — BLINK — R — 7:10 • 9:30

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The Wedding Banquet — PG — 9:30
MASK OF THE PHANTASM — BATMAN — PG — 7:30
DOC HOLLYWOOD — PG — 9:40

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PG — SHADOWLANDS — (1:30 4:15) 7:00 9:30
★ PG13 — ACE VENTURA — (1:15 3:15 5:15) 7:15 9:15
PG — REMAINS OF THE DAY — (1:15 4:00) 6:45 9:30
R — THE GUNMEN — (12:45 3:00 5:15) 7:30 9:40

"BREATHTAKING... EXHILARATING...A TRIUMPH!" — A review by THE NEW YORK TIMES
holly hunter harvey keitel sam neill
the Piano
a jane campion film
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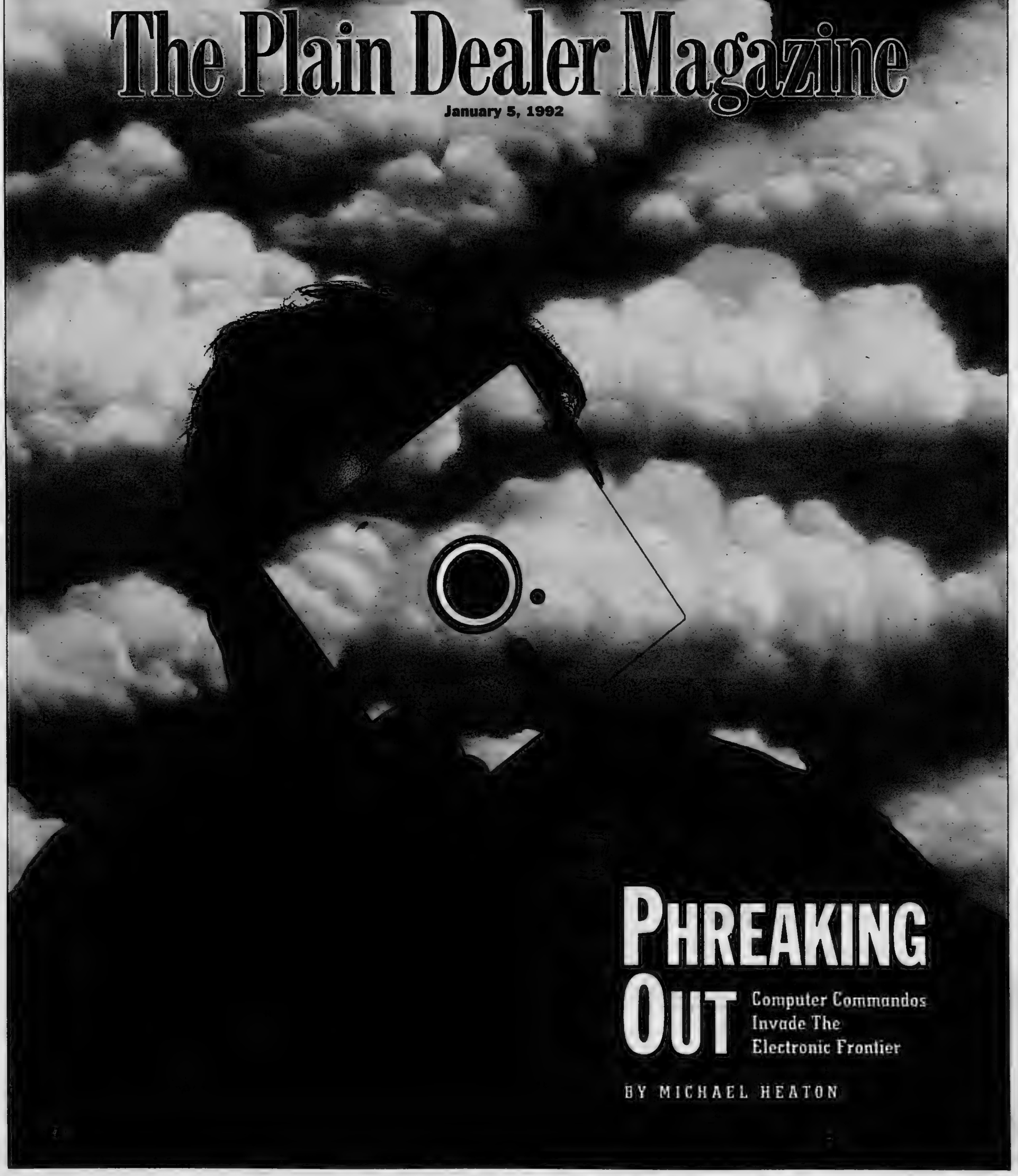
January 5, 1992



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Computer Commandos Invade The Electronic Frontier

BY MICHAEL HEATON

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Have We Seen The Last Of These Cyberpunks, Phreakers And Techno-Hippies?

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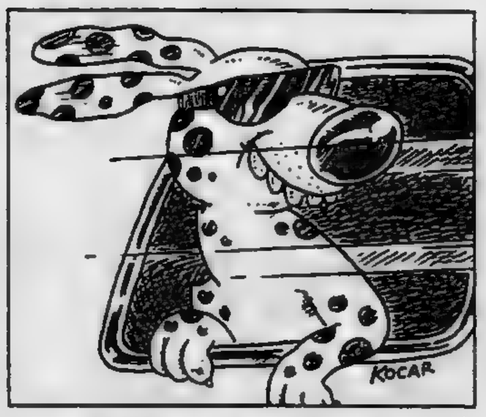

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Cover photo by Roadell Hickman

Clint O'Connor, *Editor;* **Janet Fillmore**, *Assistant Editor;* **David Pickel**, *Design Director;* **Christopher Evans**, **Michael Heaton**, *Writers;* **Carol Malinowski**, *Artist;* **Mary Jane Igrec and Martin Chitester**, *Advertising Production;* **Joe Neroni**, *Advertising Sales — 344-4930*

From The Editor

Whatever happened to privacy? As if it wasn't bad enough having a paper trail of court records, bank records, loan applications, tax forms, and God knows what else, stretching from here to Omaha, now most of it has been switched over to computers. And, in this age of the diskette, in this log-on log-off, technoid world, wouldn't you know that the next thing out of the box, after the disk drive, terminal and keyboard, would be rampant paranoia.

Why?

Because, computer nerds — either the after-school or corporate-espionage variety — are capable of breaking into practically any system, practically any time. Want to eradicate your Visa balance? *Bip*, it's done. Want to end those nasty phone calls from Al's Collection Agency? *Bip*. Want to change that D in "ENG 203: Shakespeare — Brilliant, Or Just Another Dead British Guy?" that messed up your grade-point average and sullied your college transcripts? *Bip*. It's an A. And you didn't even have to buy the Cliffs Notes.

To examine this frightening phenomenon, which has already risen and fallen a few times since the dawn of the disk, The Magazine sent staff writer Michael Heaton into the electronic arena (page 8). Once he was hooked up, he found some local hackers, who practice such things as "phone phreaking" and "social engineering," and they showed him how to enter systems.

"We got in instantly," says Heaton, "because the places they broke into were pre-hacked accounts that they had already spent long hours trying to get into — what they call 'brute-force hacking.' They said that the first thing a hacker learns is that the security systems of major computer systems are appallingly bad."

Great. Very reassuring.

I think I'd feel a whole lot better if the records attached to my name were lost in some dark, dusty room, stuffed inside a rusty filing cabinet that reeked of spilled coffee and White-Out. With a drawer that had never been on the right track and made fingernails-on-the-blackboard kinds of noises every time it was opened. Break into that, modem marauders!

— Clint O'Connor

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HACK-ATTACK

HAVE WE SEEN THE LAST OF CYBERPUNKS, PHREAKERS AND TECHNO-HIPPIES?

By Michael Heaton

Chronos and Cruiser are huddled around a computer terminal, their faces aglow from the electronic fireplace before them. Chronos breaks into the mainframe of a major university and from there makes a net run across the Atlantic to a naval base in Europe. There is no top-secret, for-your-eyes-only information. But the files are considered "secure" information. To the newly hackerized reporter it is very impressive. "One thing. Please don't launch any Titan missiles."

"We're not near anything like that," says Chronos. "Most of the stuff here is boring. It was just cool to know you could do it. Then you look for something else to do."

Through the Internet they travel back to Cleveland and work their way into the General Services Administration computer downtown.

Then Cruiser takes over and logs on to the system of a major sporting goods chain in Cleveland. They look over that day's sales and inventory — socks, jocks and bicycle locks. You can see the pride in their eyes. It's as if they're showing off blue ribbons from a science fair.

They talk about phones, phreaking they call it. If you call 200 WINGMAN, they say, a recording will tell you what number you're dialing from. They like using the phone to find the famous while billing someone else. They call the Vatican and ask for the pope. A guy speaking Italian seems to catch on and, in broken English, says, "No, you kenta speak to da pope." They talk with the secretaries of Dan and Marilyn Quayle in the White House. Neither is in. They don't leave a message. Cruiser has to get Chronos home. Curfew is close. He doesn't want to be grounded.

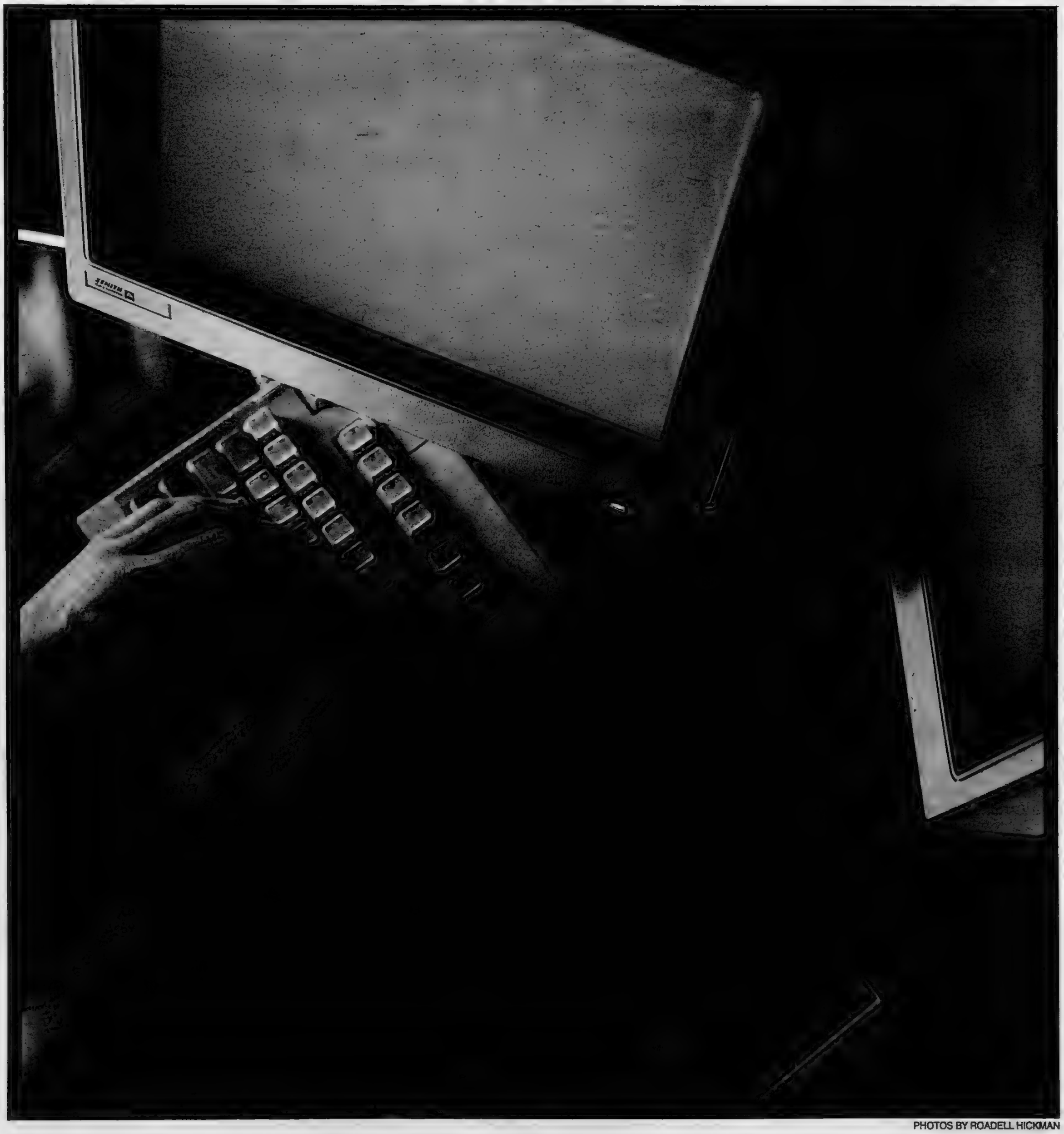
Michael Heaton is a staff writer for the Magazine.

It had all begun several weeks ago with a phone call at the reporter's home. A reader had a question about one of his stories and the two had an amiable chat. The reader wanted to know what else the reporter was working on. The reporter talked about his recent interest in computer hacking. He wanted to know if it was still going on. He had read books and magazine articles on international superhackers and espionage-oriented computer rats but was more interested in the home-grown suburban variety. The reader said he could help and would call back.

A week later, the reporter got a call from a kid identifying himself only as "Cruiser." He said that he and another hacker, "Chronos," would meet for an interview only if their identities were protected and their activities were described vaguely enough so that they could keep pursuing their hobby undetected.

The reporter asked Cruiser if they would meet him in an out-of-the-way bar on the near West Side. "Chronos would have a problem with that. Could we meet in a coffee shop?"

Continued on Page 12



PHOTOS BY ROADELL HICKMAN

Hackers

Continued from Page 8

"Chronos isn't old enough to drink?" asked the reporter.

"Chronos isn't old enough to *drive*," said Cruiser.

In the nascent age of computers the word "hacker" described a technological prodigy who, through the sheer force of his intelligence and imagination, was walking point for a young and expanding computer revolution. Minds honed on video games soon were designing intricate computer programs.

With the home-computer age, any kid with an inclination and parents well-off enough to buy him a disk drive and a modem, was free to explore and expand the outer edge of his computer potential. Those with a technological bent quickly got bored logging on to bulletin board systems where they could exchange messages and trade information with other computer users. They wanted to go where no hacker had gone before.

In 1983, the movie "War Games" starred Matthew Broderick as a high school hacker who nearly causes World War III. This was nothing short of epiphany for many young computer users. The movie spawned a legion of "rodents" — as their older, more learned hackers would come to call them. Learning ways of getting into other computer systems was fun, exciting, a source of intrigue and something to brag about to your friends.

In the early 1980s, the few laws involving hacking were vague at best. Those in the know could explore electronic space or "cyberspace" (a word coined by science-fiction author William Gibson in his book "Neuromancer") like cowboy rocketeers in new galaxies. Hackers found each other on computer bulletin boards and began sharing information. Groups like the infamous 2300 Club in Cleveland, the 414's from Milwaukee, and the Legion of Doom from all over the country, formed to collect as much information as possible about "secure" systems. This meant hacking their way through networks and into all kinds of government and corporate institutions.

The members of these disbanded groups are now legend in computer-hacking lore. Many have gone on to work for large corporations in their computer security divisions. Four members of the Legion of Doom, who were arrested in 1990 in the Secret Service's Operation Sundevil for entering a computer owned by BellSouth, have formed their own company, Comsec Data Security, to help private businesses secure their systems.

The Lexicon Of Hacking

Hacker: Originally, a hard-core computer programmer. Has come to mean a person who creatively explores computer programs. More recently it has had a negative connotation meaning computer vandal, someone who damages systems or steals classified information.

Phone Phreaking: Using the phone system for free calls or other services.

Cracker: A hacker who intentionally destroys systems or uses his computer knowledge for ill-gotten gain or revenge. A bad hacker.

Virus: A program that replicates itself after it has been introduced into a computer, resulting in system problems or destruction.

Worm: A program that self-replicates rapidly enough to slow or stop whole computer systems.

Bomb: A program that, when activated, destroys the computer system.

Social Engineering: Employing various ruses over the phone to get information that will allow an unauthorized person on a computer system.

How A Hacker Hacks: A hacker uses a modem to call the mainframe of a computer system. The system asks for a password. The hacker tries various common passwords such as "guest," "test" or "sysop" (system operator) until granted entrance. Once in the system, the hacker looks for an account that hasn't been used in awhile. The hacker finds that account's password and assumes that account's identity. It can take anywhere from a minute to a month to break into a system.

— M.H.

like themselves, who were merely exploring systems to increase their knowledge of computers, and "crackers," who were malicious vandals out to destroy for their own entertainment.

"People who are down on hackers are really out of touch," said Cruiser. "Hacking is really a good thing. Hacking inspires creativity. Hackers are guys who are bored with school, typical underachievers. Besides letting people know their systems aren't secure, it's an intellectual exercise. . . .

"I see hackers as the next generation of counterculture. Like techno-hippies. There are all kinds of hackers — from art punks to metalheads to geeks. But what matters is we all live and communicate in the same computer network. We don't live by 'Just say no.' We live by 'Just say know.' Knowledge is where it's at for hackers."

But if hacking is such a divinely benevolent activity, why do so many people regard the practitioners with fear and menace?

"People are afraid of computers," Cruiser said. "They don't even want to know how much of their lives are already dominated by computers, how much of their personal lives are stored in computers, which almost anyone can have access to. The feeling is if they don't see it, it isn't there. We remind them of what's there. Some of what's there is good, some is bad."

To make his point, Cruiser asked about an embarrassing and nasty incident last summer involving the reporter and police. Cruiser described it precisely, date and location, indicating he had seen some computer-generated form of the police report. It got the reporter's attention. He asked for some demographic data about Cruiser.

"I grew up in a pretty middle-class-type thing. I live in a middle-class suburb with my parents, I work, commute to college. One of my earliest memories was being 3 years old and playing with the phone. I would keep hitting the hook switch. What I didn't know then was that we had what was called a step line. . . . That would change the routing in the central office and they would get on the line and say, 'Can I help you, sir?' and I would laugh and hang up.

"At 10, it occurred to me that it was cool that by using the phone you could talk to anyone in the world who had a phone. I found Isaac Asimov's number in Manhattan and called him. We had a brief but cool conversation. As a kid I didn't fit in too much. Spent my elementary years reading, I was into science. In the fifth grade I got into computers. I was a rodent. Those were kids who could do a few rudimentary things with a computer and modem but thought they were God. Now they're called lamers. There's a lot of name-bashing in the computer world."

The beginning of the end of hacking as we know it began in 1986 with the passage of the Computer Fraud and Abuse Act. Some hackers treated it with scorn, others as a challenge. Many saw the legal confusion that would ensue, trying to apply the Constitution to this evanescent form of information and communication. Who prosecutes a computer crime that begins in one state or country and comes to fruition in another? Which legal statutes apply? Who makes legal decisions regarding informational crimes committed through fiber-optic highways of light in the global village? Who will litigate? Who will legislate?

In 1986, the Rocky River police, the FBI and the Secret Service arrested a Rocky River high school student who used his computer to access the office telephone system of several large Cleveland communications companies, charging them thousands of dollars in phone calls. He was made an example through his high-profile arrest, and the news flew through the underground hacker network like greased telepathy. Hours before The Plain Dealer ran the story on Page 1 the next morning, hackers were discussing and passing the news. The litigation had begun.

We don't live by 'Just say no.' We live by 'Just say know.'

Sitting at a coffee-shop counter, the reporter recognized Cruiser and Chronos immediately. They were fresh-faced, white, suburban boys who nearly shined with a combination of intelligence and naivete.

After a booth in the back was secured and an order for coffee was taken, Cruiser made an announcement. "This is the first time we've ever met in real space," he said, pointing to Chronos. He explained the difference between real space and cyberspace, the electronic environment of the computer on which they had communicated for almost a year.

Hackers, they said, were getting a bad name. There were precise distinctions to be made between hackers,

On November 2, 1988, the computer world received another rude awakening. A graduate student at Cornell University had released the Internet Worm, a program that duplicated itself rapidly, temporarily knocking out more than 155,000 computers and 1,200 separate links that comprise the academic and research network known as Internet. Though Robert T. Morris, the program's designer, intended the worm to be nothing more than a harmless prank, his program went badly awry.

Though no information was lost and no system was damaged, the cost of computer down time was estimated at $1 million. Morris was the first person convicted of a felony under the Computer Fraud and Abuse Act. He was fined $10,000 and ordered to complete 400 hours of community service.

Underground world of 'cyberpunks' and phone 'phreaks'

By JOHN MARKOFF
New York Times

SAN JOSE — A policeman patrolling after midnight in a Silicon Valley shopping mall recently witnessed an unusual sight, even for this center of high technology: two teen-agers wedged in a phone booth, laboring over the keyboard of a laptop computer clipped into the telephone line.

The youths, who were arrested for telephone fraud and computer abuse and are being held in jail here, belong to a shadowy culture of computer "hackers" committed to illegally entering — and frequently tampering with — the computer networks that American society has come to rely on.

The hackers in this expanding underground have broken into corporate and military computers and tampered with telephone billing and switching equipment, sometimes altering services and monitoring telephone lines.

Some have even boasted of illicitly entering computers used in stock-market trading.

Law enforcement officials say the two young men arrested here — Jonathan O. Yanntis, 18, and Mark W. Derbele, 19, both residents of Washington state — are part of this outlaw culture.

Like Robert T. Morris, the Cornell University graduate student who is said to have written the rogue program that jammed computers around the country last month, they are fascinated with powerful computers and obsessed with the universe created by interconnected networks of machines.

Morris was a sophisticated student whose computer science experiment went awry, his friends have said.

In contrast, Yanntis and Derbele represent the spread of high-tech mischief from college whiz kids to a broader group of teen-agers and young adults.

"A new world has opened up that is hidden, dangerous, important and explorable," said Stewart Brand, an author who is considered an expert on countercultures. "The combination has got to be irresistible."

The hackers themselves, as well as some social scientists, have begun to use a new term, "cyberpunk," to describe the members of this underground.

It is a reference to a popular science fiction genre that deals with an intersecting world of high technology and outlaw society.

"This is a case of art driving reality," said Paul Saffo, a social scientist at the Institute for the Future, a research organization in Menlo Park.

"You have a small group who is actually doing it, and a large pool that is buying into what they are doing and redefining reality."

Computer scientists are careful to note that not all hackers are malicious. The term originally referred to researchers who were committed to designing advanced computer hardware and software.

Morris' fate now rests in the criminal justice system, but police and prosecutors are taking an increasingly dim view of cyberpunks and other hackers who abuse their computer skills.

"We take this very seriously," said Kenneth S. Rosenblatt, head of the high-technology unit of the Santa Clara County district attorney's office.

He said that in the last year a tougher attitude toward computer hacking by law enforcement officials and corporate security officers had resulted in dozens of arrests.

In a number of cases, "sting" operations were set up in which police and telephone company officials masqueraded as hackers to snare offenders.

The cyberpunks live in a hidden electronic world in which they do not submit to interviews in person.

When they call on the telephone to describe their activities, it is often via a call placed with stolen credit cards, or with illegal technology.

Sometimes the communications are via voice-mail systems, which permit storing and retrieving telephone messages, or anonymous messages posted on electronic "bulletin boards."

"Phreaking is moral," said an 18-year old California hacker who calls himself "Frank Drake" in messages he leaves on the bulletin boards.

"There is no theft involved. It's not theft of services, because this equipment would otherwise be idle."

Frank Drake edits a small newsletter called "W.O.R.M.," which he calls "a magazine for cyberpunks."

It was Frank Drake who telephoned at midnight one day recently and set up a conference call with another person he identified as an East Coast hacker who called himself Thomas.

Thomas described himself as a member of a group named "the Legion of Doom," and said he had recently taken an interest in computers used by banking and investment firms.

He asserted that he had entered several computers used for stock trading applications. He did not describe what he did after entering the computers, nor did he identify the institutions involved.

ASSOCIATED PRESS

Two University of Southern California students walk together on campus this week

Rape fear grips USC campus

By JUDY FARAH
Associated Press

LOS ANGELES — A rapist who has attacked two University of Southern California students the last month has caused widespread fear on campus, tempering the thrill of an undefeated football team and a Heisman trophy-contending quarterback.

"It's something we're all thinking about," student body President Phil Clement said this week. "For many people, it's paranoia. Students can't sleep, they're sick to their stomach."

A third sex attack occurred at 3:10 p.m. Friday on the USC campus, but police Lt. Pete Durham said the rape was unrelated to two other rapes reported this month. The attacker didn't resemble the man in the other rapes, he said.

The tension comes at a time when there should be joy at USC.

The football team has earned a Rose Bowl berth and is undefeated going into Saturday's showdown with undefeated Notre Dame. Quarterback Rodney Peete, who led the team to victory last week over rival UCLA despite a campus outbreak of measles that had put him in the hospital, is a contender for college football's biggest prize, the Heisman Trophy.

Sgt. John Lewis of campus security said there have been four campus-related rapes this year compared to one in 1987. The most recent attacks, Oct. 29 and Nov. 5, are causing the fear.

> "Students can't sleep, they're sick to their stomach."
>
> PHIL CLEMENT, STUDENT BODY PRESIDENT

The rapist approached the female victims with a gun as they were getting out of their cars at campus parking structures, then drove them off campus and sexually assaulted them before driving them back to the school.

Police believe the same man was responsible for both attacks, said Los Angeles Detective Dave Grabelski.

"There's a whole lot of fear over there. It's not being blown out of proportion," Grabelski said Tuesday. "The department thought it important enough to take me and my partner off homicide."

USC has 30,000 graduate and undergraduate students who pay $12,000 a year to attend classes on a 150-acre, inner-city campus. Students traditionally have included the scions of many of Southern California's oldest and wealthiest families.

The private institution is also on the fringes of south-central Los Angeles, home to a high crime rate and the city's most notorious street gangs.

That has led to the impression, even among students, that crime is rampant on campus, when actually USC had fewer rapes, assaults and burglaries last year than larger UCLA, which is bordered by upscale Westwood and Beverly Hills, said Clement.

Still, as many as 5,000 whistles have been distributed to women students and some men in case they spot anything unusual, and campus security has posted 24-hour guards at parking structures.

"I heard of cases where women were walking and if someone was just walking behind them, they would scream," said student Kimberly Falk, 19. "We're using the buddy system. For the most part, though, it's not panic."

"I don't like feeling that I need to be watching everywhere I go," said student Susan Han, 18.

No new clues in kidnap

McClatchy News Service

HAYWARD — A 21-year-old ex-convict taken into custody Wednesday in connection with the kidnaping of 9-year-old Michaela Garecht is no longer a suspect in the abduction, police said Friday.

"We still are checking leads, but we have no new clues in the case," Hayward Police Officer Ray Alsdorf said.

A massive foot search with more than 100 officers and sworn personnel is scheduled for Sunday morning, Alsdorf said. The search is to fan out in two wooded, rugged areas — Niles Canyon Regional Park and Garin Regional Park — in hopes of recovering physical evidence.

"Our psychological profile of a suspect in this kind of case leads us to believe he has not traveled far from the kidnap site, and that he has isolated himself in a remote area," Alsdorf said.

Michaela was snatched last Saturday three blocks away from her Hayward home when a man lured her close to his car, witnesses said.

He grabbed Michaela by the waist and forced her into his car in a parking lot of a neighborhood supermarket, according to police. Michaela had gone to the market with another 9-year-old friend, who witnessed the abduction. Michaela's mother, Sharon Garecht, said the girls' parents had forbidden them from leaving their homes alone.

Garecht said the family did not celebrate Thanksgiving Thursday, instead choosing to man phones at the couple's house.

"We've gotten hundreds of calls saying that our daughter is all over the state, from Eureka to San Diego," Garecht said. "The police have told us they have leads, but nothing concrete yet."

She said whenever a call comes in reporting a sighting of a girl resembling Michaela or a sketch of the suspect, "we get our hopes up, and then we get disappointed. Right now, we are in a state of depression.

The Kevin Collins Foundation has distributed more than 250,000 fliers throughout California, displaying Michaela's face and physical description.

BAY STATE IN BRIEF

Diver disappears

ISLA VISTA — Divers who searched Friday for a 27-year-old man who failed to return from a snorkeling trip on Thanksgiving morning found no sign of the man, authorities said,.

The solo diver's vehicle was found parked near the beach with his clothes inside and his dive gear missing, said Santa Barbara County sheriff's Deputy Hugo Arnoldi.

Conviction overturned

SAN FRANCISCO — A federal appeals court Friday overturned the mail fraud convictions of former Assemblyman Bruce Young, who was sentenced to prison for his alleged involvement in the Patrick Moriarty fireworks scandal.

Boy missing

Search teams with the Calaveras County Sheriff's Department combed the area around San Andreas most of Friday, failing to find a 12-year-old boy who was last seen Tuesday.

It was the third full day of a search for Tyler Matson, a San Andreas youth who apparently carried out a threat to run away.

Law enforcement officials privately admitted that they were concerned about the boy's safety, because of the cold and snow.

El Nino theory

MENLO PARK — El Nino, the warming of Pacific Ocean waters blamed for droughts, typhoons and storms worldwide, may be caused by undersea volcanic lava flows, says a study by the U.S. Geological Survey.

The lava from rifts in the ocean floor may bring about the dramatic changes in sea temperature, air pressure, winds and currents that characterize the phenomenon, according to the study the current issue of EOS, the publication of the American Geophysical Union.

El Nino caused staggering economic damage on four continents in 1982-83. It occurred again in 1985-86 on a lesser scale.

Shuttle secret

EDWARDS AIR FORCE BASE — The next space shuttle landing will be closed to public viewing because Atlantis' military mission is classified, NASA said Friday.

"This is pretty standard policy on Department of Defense flights," said Nancy Lovato, a spokeswoman for the National Aeronautics and Space Administration.

Unclaimed fortunes

LOS ANGELES — A couple of Californians out there are millionaires and they may not even know it.

They are the holders of more than $10 million in winning lottery tickets that have yet to be redeemed, including a $4.7 million prize won last June, a $3 million prize won Nov. 16 and two $452,541 prizes won Oct. 22.

The state gives holders of these tickets 180 days to cash them in, then it's all over; the money goes to schools.

The largest unclaimed prize in California lottery history was $3.98 million, won by someone who bought a ticket in San Francisco's Chinatown in 1987. The 20-year annual annuity payments from that winning ticket began rolling into the education fund in July 1987.

Bridge crash

SAN FRANCISCO — Five people were injured Friday when a van crashed into a stalled, empty bus on the rain-slick San Francisco-Oakland Bay Bridge, authorities said.

A California Highway Patrol spokeswoman said the accident occurred between 7:30 and 8 a.m. on the far right lane of the westbound upper deck of the bridge.

Press Democrat news services

Judy Kempler

The Real Estate Advisor

THE HUMAN ELEMENT!

With the increasing use of computers and other types of modern technology, you might think that the real estate industry would someday become completely automated, mechanized and computerized. Perhaps there would no longer be a need for real people to act as real estate brokers and sales agents.

In fact, technological advances have given real estate professionals new tools which speed up the home-buying process by figuring mathematical calculations, identifying suitable properties for buyers, etc.

But computers have one great fault: they're not good listeners. They hear and record information presented to them, but they don't LISTEN!

You see, the trained ear of a true real estate professional listens closely as buyers and sellers express their real estate needs and desires. More than once, a buyer has expressed the strong desire to own a newer, more modern home in the "right" neighborhood only to end up buying a 40-year-old traditional home in an older, established part of town.

The sensitive real estate agent, through long experience and the enjoyment of working with people, is able to "read" clients and customers to the point of knowing and understanding the presence of an unstated need. A computer would never know that the buyer had long envied life in a large older home.

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1040	Unforgettable
1044	You Are So Beautiful
1046	You Light Up My Life
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1021	Oh My Papa
1026	The Wind Beneath My Wings
1025	You're The Top
1040	Unforgettable
1023	Thank You For Being A Friend
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Public Opinion Poll

Citizen Interest In Vote Gains

By Dr. George Gallup

PRINCETON, N.J. — Earlier estimates of a record low turnout may have to be revised, as determined by a just-completed Gallup Poll showing voter interest increasing sharply in the final stages of the 1976 presidential campaign

Dr. Gallup

Two factors have likely contributed to this rise in voter interest, the presidential debates and the [illegible] ness of the race.

The latest nationwide survey, completed just [illegible] shows a [illegible] percent expressing [illegible] rable degree of [illegible] election. This represents a four point increase from the comparable figure recorded in a survey taken just one week earlier and a [illegible] points since the survey taken in late August before the first of the presidential debates. At that time Democrat challenger Jimmy Carter held a wider lead over President Ford than he does today.

Despite all the discussion about the apathy of voters — and earlier predictions that non-voters will outnumber voters for the first time in 50 years — voter interest is no lower this year than at a comparable time in the 1972 presidential election race when President Richard Nixon was leading Sen. George McGovern by a wide margin.

Close Race Helps

A look at the trend in the voter interest since 1952 shows voter interest to be greater when the presidential race is close. For example, in 1968, when Nixon ran against Sen. Hubert Humphrey and Gov. George Wallace, the proportion of voters who, at this point in the campaign, had indicated they had given "quite a lot" of thought to the election was 64 percent. In 1960 when Sen. John Kennedy ran against Nixon, the comparable figure was 57 percent. In contrast, 1972, 1964, 1956 and 1952, when the races were one-sided, voter interest was less pronounced.

Following is the question asked:

"How much thought have you given to the coming November elections — quite a lot or only a little?"

The 1976 trend shows voter interest increasing steadily during October, from 48 percent who said they had "quite a lot" of interest in a survey conducted the first weekend, to 52 percent the second weekend and 56 percent the third and latest weekend.

Here Is Picture

Here is the latest trend and the results for previous election years at the beginning of October and the final pre-election survey completed during the period Thursday through Saturday prior to the Tuesday election.

	First Weekend	Interim Survey(s)	Final
1976	48%	52-56%	2%
1972	49	52	56
1968	57	64	63
1964	51	54	59
1960	56	57	65
1956	48	49	57
1952	54	55	61

Although the Gallup Poll's final estimates of voter turnout are based on responses to a series of questions, the results of this single question on voter interest have shown a close relationship to actual turnout in the election.

Compares Proportion

The following table compares the proportion in the final Gallup survey (published the day before the election) who say they have given "quite a lot" of thought to the election and the actual voter turnout in the election.

	Percentage Saying They Have "quite A Lot" of Interest (Final Gallup Survey)	Election Turnout (x)
1976	2%	?%
1972	56	56
1968	63	61
1964	59	62
1960	65	63
1956	57	59
1952	61	62

(x) P.C OF VOTING AGE POPULATION VOTING FOR President)

The latest results are based on in-person interviews conducted with 1,430 adults, 18 and older, interviewed in more than 300 scientifically selected localities across the nation during the period Oct. 22-25.

(Copyright

We Hold These Truths
A Chronicle of Amer[illegible]

October 28, 1776

[illegible] two armies face each other [illegible] Washington withdrawing northward on [illegible] more defensible positions at North Castle Heights [illegible] forgoing a frontal assault. Howe withdraws [illegible] November 4 towards Ft. Washington, the [illegible] redoubt on Manhattan. Although Amer[illegible]

Rush for Homes In California

Reuters News Agency

LOS ANGELES — After a three-year slowdown in homebuilding caused by the recession and increasingly strict environmental regulations, California is suddenly finding itself in the middle of a buying rush.

When a building company in affluent Orange County to the east of Los Angeles advertised 221 houses for sale earlier this year, 3,000 people applied to buy them.

Resorts to Lottery

Puzzled as to how to handle such a rush of applications, the company decided to hold a lottery for the houses which were priced between $51,000 and $98,000 — and 12,000 people turned out to watch the drawing of tickets from a drum.

"I've never seen anything like it in my entire 30 years in the business — even after World War II when houses were very short," says Randall Presley, a leading home builder in Orange County.

Presley says some of his company projects are now being slowed by labor shortages, something unheard of in the badly depressed housing industry of two years ago when thousands of carpenters and builders' laborers were out of work.

Builders say the buying frenzy has been brought on by the small number of houses built during the slump that followed the Arab oil boycott of 1973.

Housing experts say the state needs 235,000 new homes during each of the next five years to keep up with its population increase.

Costs High

But with environmental regulations and the soaring cost of land and building materials still putting a damper on building, only 150,000 houses a year are being built even now.

For Whom the Bell (System) Tolls

'Phone Phreak' Pays the Piper

[illegible]
Associated [illegible]

SAN FRANCISCO — Not many people go to prison for pursuing a hobby, but a passion for playing with exotic telephone equipment has finally put Captain Crunch in the slammer.

"It's a hobby, like CB radio — it's diddling around," the electronics whiz kid says. "Why do I do what I do? To hear a call go through, to hear all that telephone company equipment work for you, that's what you're after. Chirps, bells and tinkles."

Crunch, whose given name is John T. Draper, reflected without regret about his hobby just before driving south to the federal prison at Lompoc, Calif. He started serving a four-month sentence Oct. 4 for defrauding Pacific Telephone Co. of $38 worth of long distance calls.

Phone Phreaks

Draper, 32, has been [illegible] member of the [illegible] phone [illegible] d illegal [illegible] made them natural [illegible] companies around the [illegible]

[illegible] officials hope [illegible] and 122 other toll fraud convictions last year, will deter the phreaks and others from cheating the phone company out of an estimated $1 million in calls each year.

"The phone phreaks say they're just out for thrills, but you can say the same about a bank robber," says Joe Doherty, director of corporate security for American Telephone and Telegraph Co. "He likes to hear the alarms go off . . . but the end result is the same. A bank is robbed. These people are stealing."

Imitate Sound

The essence of phone phreaking is the imitation of electronic sound signals which trigger phone company equipment, allowing [illegible] and routed without [illegible].

For all practical purposes, the phenomenon has its roots in a cereal box. In the late 1960s, it was discovered that Captain Crunch cereal contained free plastic whistles that produced a tone of 2600 cycles per second. That frequency was a key to making a phone work for free.

Draper, with the scraggly black hair and horn-rimmed glasses of the proverbial mad scientist, learned this and other fascinating secrets after meeting a blind phreak in an accidental phone encounter.

Organ Triggers Phone

"Then I ran into Denny, who said he had 27 ways to make free phone calls," he recalled. "Denny invited me to meet his friend Jim, who told me he would make a free call by playing certain tones on an organ into a phone.

"I told him he was crazy because I didn't think the phone [illegible] dumb enough [illegible] to break into [illegible]. I blew my mind. He dialed [illegible] 800 number and hit an E [illegible] middle C on the organ. All [illegible] 800 number disappeared with a clunk. I heard a white noise, hissing, then he used the organ to key out the number I wanted. It worked."

Draper, with electronics training in the Air Force and San Jose City College, went home and fabricated his own organ to imitate phone signals. He fashioned a "Blue Box," a device which succeeded Captain Crunch whistles as the most prized possession in "phreakdom."

Calls His Friend

"That started me phone phreaking," Draper said with undisguised glee. "First, I called all my friends. Then, I thought, 'Wow: Here I am with the phone company at my fingertips. Free.'"

Now using a Blue Box to make free calls is a violation of federal law, punishable by up to five years in prison and $1,000 fine.

Crunch boasts of many elaborate phone feats unsanctioned by Ma Bell.

One call, he says, was routed around the world clockwise a few times, from San Francisco to London to Sidney to San Francisco, then around the world counterclockwise a few times, covering the equivalent of half the distance to the moon.

Voice Rounds the World

He describes another experiment in a room with two phones, using one to call around the world to the second. "About eight seconds after I answered one phone, I listened on the second phone and heard myself answering the first phone," he said. It took my voice that long to travel around the world."

In Draper's realm, information is power. New information, he says, is [illegible] by about 10 super phreaks who reside in San Francisco, Seattle, New York, Los Angeles, Phil[illegible]elphia, Miami, Denver [illegible] and Quebec [illegible]

[illegible] he says, there are numerous [illegible] phone buffs as well as an [illegible] Boy owners who have [illegible] expertise in placement of free toll calls. They chat with one another and exchange information in conference calls on borrowed lines, using CB radio-type nicknames such as "The Cheshire Cat" or "Peter Perpendicular Pimple."

Tap Any Telephone

Last year, Draper said, he uncovered a way to use any telephone to tap virtually any telephone conversation in the country.

"I had stumbled onto the auto verify circuit," he explained. That is the circuit operators use to break into a conversation to tell a party that an emergency call is coming through.

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Paid Political Ad by Henry Hilton

Mothers: It's important to listen to Mom

■ Continued from Page One

■ Listen to your mother — and do what *she* wants:

One tired Portland grandmother, who didn't want her name used, said the kids take her out to eat, even though her bad teeth and sore gums keep her from enjoying it. They give her clothing she doesn't like and plants she can't take care of in the retirement center where she lives. Just once, she said, she wished someone would listen to what she wants: peace and quiet and time to relax, enjoying her family.

In that same vein, think about Mom's interests before you buy. If she likes to garden, get a tool or book. If she likes computers, how about a colorful mouse pad? If she's interested in travel, how about a subscription to a travel magazine?

■ Send a singing message. AT&T has a new service, 1-800-ATT-GIFT. For $4.95, you can choose from 50 songs. The song will play for 60 seconds, and then you can create a personal message of up to 30 seconds. You can dial the number on Mother's Day for last-minute delivery, an AT&T representative said. You do not have to be an AT&T customer to use the service.

■ Go for a walk with Mom. That's what Kyle Shephard, 8, of Portland, said he planned to do.

■ If your mom has a computer address, send an e-mail message of love.

Or try an on-line computer company. For example, with America Online, you can design a Mother's Day card she can see when she signs on to her computer. America Online users can access this area with the keywords: "Mother's Day 1995."

Other things available in "Mother's Day 1995" are a bulletin board where people have uploaded stories about their moms, a history of Mother's Day, famous mothers, quotes about moms and even preparing a special Mother's Day meal.

Other on-line companies offer similar services.

■ Call a major department store in the city where your mother lives — especially if you have a credit card from that particular store. Talk to the customer service department. You can buy gifts or gift certificates over the phone in her name.

■ If Mom enjoys it, take her out to eat. But beware: It will be crowded, and you won't be able to get into some places without reservations.

"The seven of us go to brunch, and it gives us an opportunity for the whole family to be together," said Sunni Waters of the National Restaurant Association. Mother's Day is the second biggest occasion to eat out, according to a Gallup Poll. (Birthdays come first).

■ Buy something special. According to the National Mother's Day Council, the most popular gift for Mother's Day is clothing. If you aren't sure what she likes, get a gift certificate and put it in a pretty card.

If you buy a card, you won't be alone. The value of manufacturers' shipments of Mother's Day greeting cards jumped from $80 million in 1987 to $148 million in 1992, according to the U.S. Department of Com-

■ Buy a flat of annual flowers and plant them in her garden. Or buy a nice planter for the porch.

■ Give a gift certificate for something she'd never buy for herself: a manicure, facial, massage, bath products.

■ If you are a child, ask Mom to tell you a story from her childhood, write it down, illustrate it and present it at dinner.

■ It's probably too late to have flowers delivered — members of Florist Transworld Delivery will send about 1.2 million flowers by wire over the weekend — but many supermarkets sell fresh bouquets and potted plants that you can deliver yourself.

■ Create your own bouquet. Some florists, street vendors and large supermarkets have a variety of flowers from which to choose.

■ Write a letter telling her how much you love her and why, and leave it where she'll find it. Or recount a story about a time together or a lesson she taught you.

■ Take photos of yourself and your kids, have a one-hour photo store crank them out and paste them in a scrapbook with your own funny captions.

■ Call your long-distance telephone company for a long-distance calling certificate.

■ Write a poem.

■ Have the kids draw around their hands. Cut out the drawings and put them in frames, along with their names, ages and special messages.

■ Call an airline, and use a credit card to buy Mom a ticket to visit you.

■ Make a donation in Mom's name to her favorite charity.

But remember, if you don't do anything else, at least do this: Say, "I love you."

MOTHER'S DAY

■ **WHY:** A woman by the name of Anna May Jarvis developed the concept of a national day to honor mothers and motherhood. The first Mother's Day was celebrated on May 10, 1908, with a service at St. Andrew's Methodist Church in Grafton, W.Va. In 1914, President Wilson established the second Sunday in May as a national Mother's Day.

■ **WHO:** Of the estimated 103.4 million women ages 15 and older in the United States in 1993, 73.9 million were mothers, according to the U.S. Census. As of 1993, these mothers had given birth to an average of 2.7 children each.

■ **HOW OLD:** The average age of the nation's mothers in 1993 was 48.1 years.

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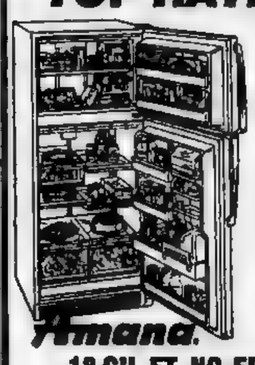

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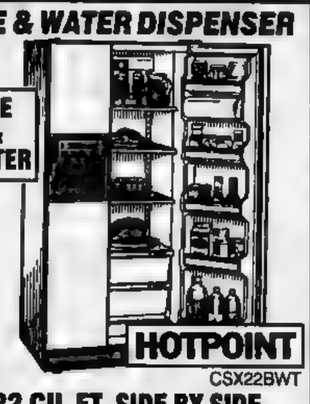

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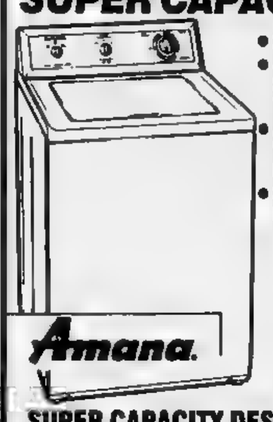

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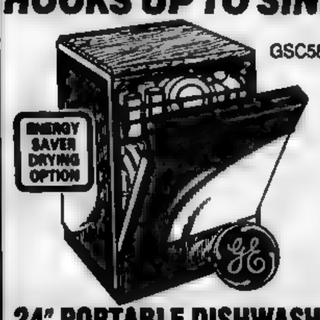

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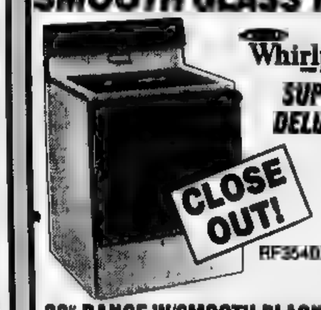

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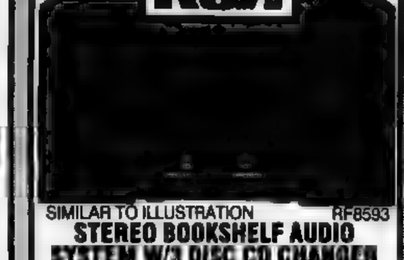

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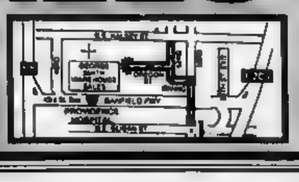

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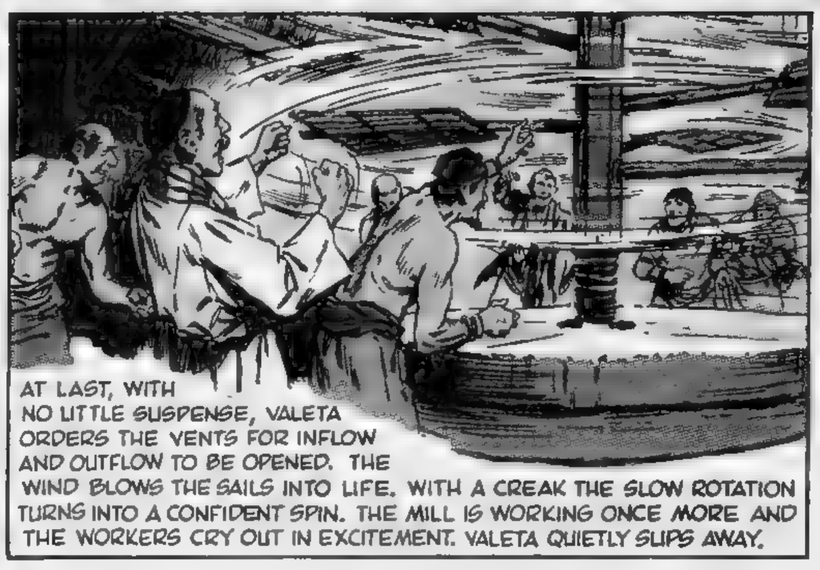

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Birthday
1007 Happy Birthday (Rock & Roll)
1008 Happy Birthday (R&B)
1009 Happy Birthday (Child)
1010 Happy Birthday (Traditional)
1011 Happy Birthday (Humorous)
1012 Young At Heart
1013 Celebrate Good Times

Cheer Up
1015 (The Sun Will Come Out) Tomorrow
1016 Don't Worry, Be Happy
1017 Put On A Happy Face
1018 Accentuate The Positive

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1019 M-O-T-H-E-R
1020 I'll Always Love My Mama
1021 Oh My Papa
1022 We Are Family

Friendship
1023 Thank You For Being A Friend
1025 You're The Top
1026 The Wind Beneath My Wings
1027 Lean On Me
1028 Friends In Low Places

Love
1029 I Just Called To Say I Love You
1031 (Let Me Be Your) Teddy Bear
1032 (Memories) The Way We Were
1033 Always On My Mind
1036 You're The Best Thing That Ever Happened To Me
1037 I'll Have To Say I Love You In A Song
1038 (Everything I Do) I Do It For You
1039 Don't Know Much
1040 Unforgettable
1041 You Are My Sunshine
1042 Endless Love
1043 I'm Sorry
1044 You Are So Beautiful
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The Shreveport Times
Thurs., Oct. 28, 1976
Section D
Page One
News — Features

Captain Crunch imprisoned for 'phreakish'

SAN FRANCISCO (AP) Not many people go to prison for pursuing a hobby, but a passion for playing with exotic telephone equipment has finally put Captain Crunch in the slammer.

"It's a hobby, like CB radio — it's diddling around," the electronics whiz kid says. "Why do I do what I do? To hear a call go through, to hear all that telephone company equipment work for you, that's what you're after. Chirps, bells and tinkles."

(AP Wirephoto)

John T. Draper

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Draper, 32, has been a legendary member of the mischievous "phone phreaks," whose shenanigans and illegal long distance calls have made them natural enemies of phone companies around the globe.

Phone officials hope that his conviction, and 122 other toll fraud convictions last year, will deter phreaks and others from cheating the phone company out of an estimated $1 million in calls each year.

"The phone phreaks say they're just out for thrills, but you can say the same about a bank robber," says Joe Doherty, director of corporate security for American Telephone and Telegraph Co. "He likes to hear the alarms go off . . . but the end result is the same. A bank is robbed. These people are stealing."

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For all practical purposes, the phenomenon has its roots in a cereal box. In the late 1960's, it was discovered that Captain Crunch cereal contained free plastic whistles that produced a tone of 2600 cycles per second. That frequency was a key to making a phone work for free.

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"Then I ran into Denny who said he had 27 ways to make free phone calls," he recalled. "Denny invited me to meet his friend Jim, who told me he would make a free call by playing certain tones on an organ into a phone.

"I told him he was crazy because I didn't think the phone company was dumb enough to have a system so easy to break into. Anyway, Jim blew my mind. He dialed an 800 (toll free) number and hit a E above middle C on the organ. All of a sudden, the 800 number disappeared with a clunk. I heard a white noise, a hissing, then he used the organ to key out the number I wanted. It worked."

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He describes another experiment in a room with two phones, using one to call around the world to the second. "About eight seconds after I answered one phone, I listened on the second phone and heard myself answering the first phone," he said. "It took my voice that long to travel around the world."

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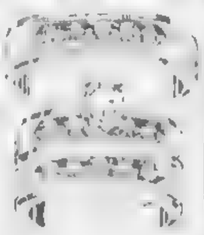

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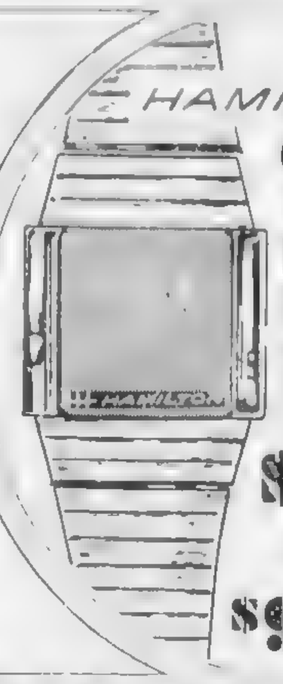

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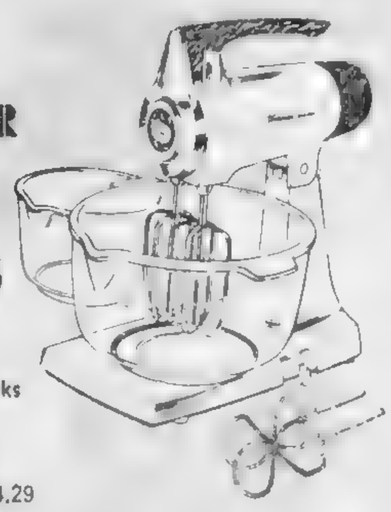

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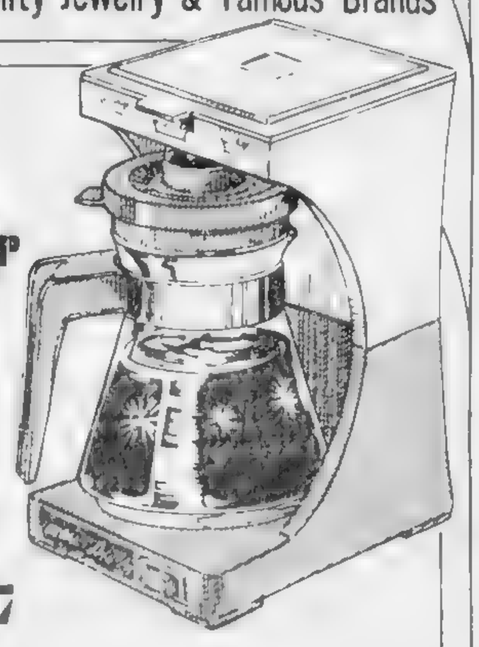

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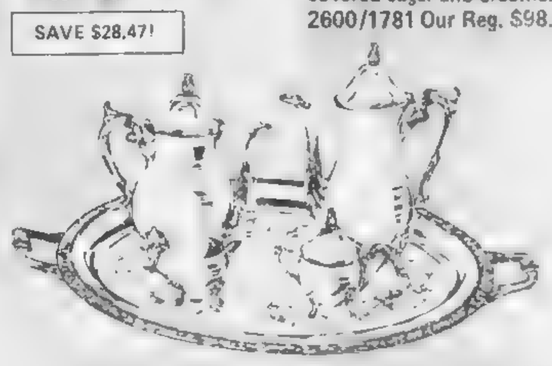

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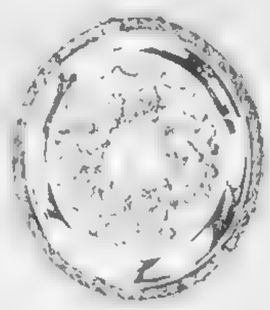

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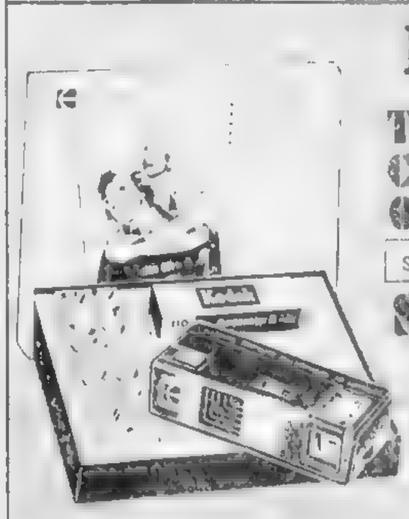

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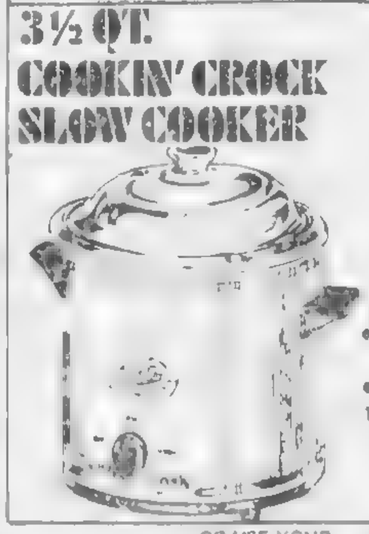

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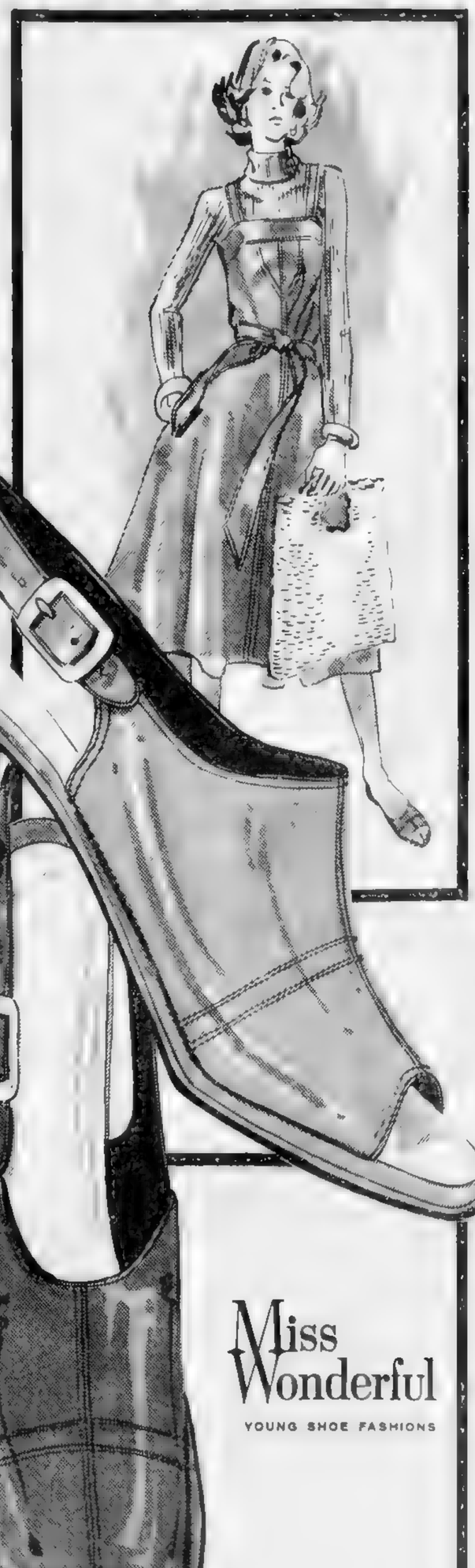

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Caldwell starves self at jail

By MARY ANN KUHN

Lawrence Daniel Caldwell, a suspect in a policeman's slaying and bank holdup, has slashed his wrists, refused to talk or eat and is being kept alive today by D. C. Jail doctors who feed him Metrecal thru a tube in his stomach.

For the past six weeks, Mr. Caldwell, 25, has been confined to a bed in a hospital ward of the jail. His lawyer, Edward J. Menard, said "he slashed his wrists" sometime during confinement either at St. Elizabeths Hospital or the jail.

"He had a number of razor cuts on his wrist," Mr. Menard said.

While St. Elizabeths Hospital officials could not be reached for comment a spokesman from the D. C. Department of Corrections denied that the wrist-slashing occurred at the jail. He said that Mr. Caldwell is being fed thru a tube to his stomach because "he won't eat. He won't talk to doctors or correctional officers or anyone.

"He won't tell anyone why he's doing it," the spokesman said.

Mr. Menard said, "I think he would have died if the doctors had not done something."

A former musician who played clarinet for three years for the Akron Symphony Orchestra under Louis Lane, Mr. Caldwell and two other suspects are awaiting trial on charges of first degree murder. No date has been set for the trial.

Heidi Ann Fletcher, 21, daughter of the former District Deputy Mayor Thomas W. Fletcher, and her boyfriend, Eros Anthony Timm, 22, are charged with Mr. Caldwell in the May 25 slaying of Officer William Sigmon after a holdup at the National Permanent Federal Savings and Loan, 5185 MacArthur Boulevard-nw.

Miss Fletcher is the only one of the three to be released from jail.

A corrections department spokesman said that jail officials maintain a daily log on Mr. Caldwell's condition, jotting down "everything he does, everything he eats." Logging an inmate's condition is also a procedure used in "hunger-strike cases" where prisoners fast or refuse to eat, he said.

The spokesman said that jail doctors apparently do not feel that Mr. Caldwell's condition warrents sending him to D.C. General Hospital where "serious cases" are transferred.

Mr. Menard said that whenever he or co-counsel Charles Murray Jr. visit Mr. Caldwell, "he gives no reaction. He doesn't react at all. No, he doesn't talk."

Even tho St. Elizabeths psychiatrists diagnosed Mr. Caldwell and the other two suspects on August 19 "mentally competent" to stand trial, Mr. Menard said that he has a motion pending before U. S. District Court Judge June Green seeking permission to have a team of "outside" psychiatrists examine Mr. Caldwell.

Mr. Menard also said that Mr. Caldwell "for the past seven years" has been a vegetarian.

"At St. Elizabeths, they let his friends bring in vegetables, beans, but you can't at the jail," he said.

When Mr. Caldwell, Miss Fletcher and Mr. Trimm pleaded innocent to first degree murder charges at their Aug. 24 arraignment before Judge Green, Mr. Menard had to lead Mr. Caldwell to the podium, "so he could enter his plea."

LAWRENCE CALDWELL

"Then I had to enter a plea on Mr. Caldwell's behalf because he just stared vacantly . . . like a zombie. He looked like he lost 80 pounds," Mr. Menard said.

The 6-foot-5 Caldwell weighed about 175 pounds when he was arrested.

C&P tracks down dial-a-frauders

By JERRY OPPENHEIMER

The Chesapeake & Potomac Telephone Co. today revealed that an unknown number of "Phone Phreaks" in the metropolitan area are bilking the company of thousands of dollars annually by dialing illegal free calls across and sometimes out of the country by means of an inexpensive gadget called a "blue box."

The "blue boxes," usually home-made in a few hours at a cost of $100 or more, are being made from plans circulated around the country by other "Phone Phreaks." The electronic device, which can be as small as a pack of cigarets, generates sounds and tones that can switch telephone equipment from coast to coast without cost to the caller.

Since the beginning of the year more than a dozen cases have come to the attention of C&P investigators. One middle-aged Montgomery County couple has already been convicted, and clandestine investigations involving stake-outs and the use of electronic monitoring devices and computers are being used in the other cases.

C&P investigators told The News they expected arrests soon and emphasized that when one "blue box" is found in use, it usually leads to a "whole slew" of other persons involved.

Nationally, there have been 33 arrests so far this year with 18 convictions and 14 cases still pending. Twenty of those arrested, according to a survey made by concerned phone company officials, were students and all of the suspects had a sophisticated electronics interest or background. Four so-called "Phone Phreaks" were arrested just this week in Philadelphia. Two of them were long-time phone company employes.

The 24 companies in the Bell System claim they are losing more than $500,000 annually to the little box.

Earl A. Connor, staff supervisor of C&P security here, said in an interview that use of the device has become "more widespread in this area this year. We have investigations underway in the District, Virginia and Maryland. Based on cases around the country, we expect that our investigations will tie in a large group of people."

Mr. Connor made a "blue box" available to The News. The device, not blue, but encased in black plastic with a metal top measured 6 by 3½ inches and weighed less than a pound. The top of the box contained a series of 14 buttons, a switch and a jack plug. The device had been confiscated from a "Phone Phreak."

The box is attached to the phone and an area code is dialed, plus the number 555-1212. This connects the "Phone Phreak" caller to the information operator in the specific area. Once connected, the caller throws the switch on the box, which disconnects the operator but leaves the line open into the area. He then uses the black buttons to punch any telephone number in the area without having the call recorded for charge purposes.

"Phone Phreaks" are also using the 800 area code, used by a number of national firms to allow customers to call toll free.

"I've tested the box," said Mr. Connor. "It works. I have dialed some calls out of the country to test it."

Joseph B. Heil Jr., also a C&P security supervisor, said in an interview that, "It's become possible to compromise our system. It's possible to compromise any system with checks and balances. There is concern over this in our business. We think the privacy of communications is a right and the actual cost of these follies is being borne by the subscribers."

Mr. Connor said telephone company computers usually give the first indication that a "Phone Phreak" is at work. The computers show that the amount of time used for information calls are taking more time than the usual two or three minutes.

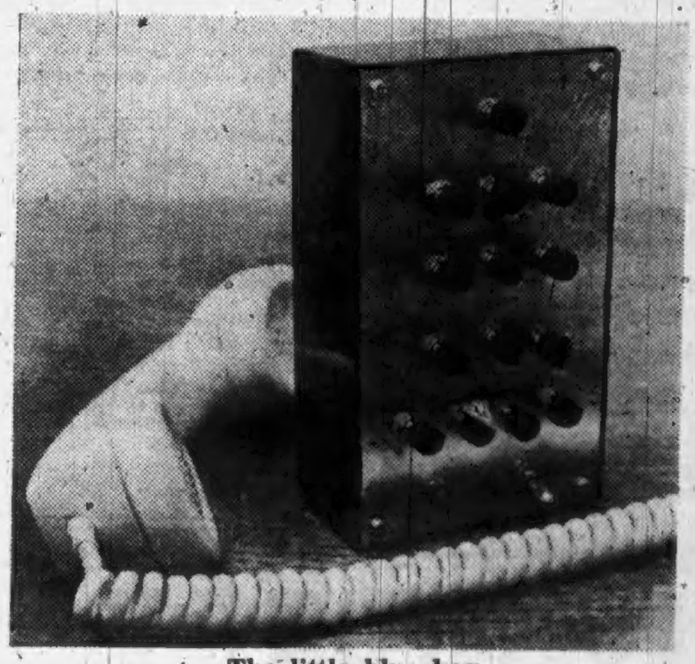
At that point, the phone company brings more elaborate tracking equipment into play, usually leading to a particular phone and ending with an arrest after a three-month or longer investigation.

But, it's believed that more "Phone Phreaks" are escaping the phone company net than are being caught.

"These people are exhibitionists," declared the investigators. "They brag about how they can get around the phone company and usually we get a tip on them."

In one local case, still under investigation, Mr. Connor said a golfing partner told him that his son had a friend who was making a number of calls from the West Coast where he attended school. He was bragging about the little device he was using to make the calls without charge.

Mr. Heil and Mr. Connor emphasized that the goal of the current local investigations is to find the source of the plans for making the devices and take him and the plans out of circulation.



The little blue box.

'Phone Phreaks' abound here

Laws governing fraudulent use of telephones in the District, Maryland and Virginia are strict and the penalties harsh.

In Maryland, a "Phone Phreak" could be sentenced to six months in prison, fined $500 or both. Virginia has two laws — one for phone fraud under $100 which has a penalty of six months in jail, $500 fine or both; and over $100, with a penalty of 1 to 10 years in prison, a $500 fine or both. In the District, Phone Phreaking is a federal offense with penalties of up to 5 years in prison, $1,000 fine or both.

C&P investigators are asking that anyone with information about such activities should phone the C&P security office, 392-3881.

'Any halfwit could outsmart a computer'

"When the word got out that I could build a blue box and use it with success, I started getting all kinds of offers from lots of prominent people — lawyers, stockbrokers, government types. And I got calls from bookies and numbers people in the District, too. They offered me as high as $1200 per box. I could understand the bookies and the numbers guys wanting one. But the brokers? Hell, I guess those guys get some pretty stiff phone bills . . ."

Sgt. Toll Free, as he is known in the underground world of phone phreaks, was slumped in the deep cushions of a long, low butcher block framed sofa, facing a large picture window that looks out over his wooded half-acre in a well-to-do suburb of the District.

Sgt. Toll Free was talking about his hobby, making illegal free telephone calls using a little device known as a blue box, and his main goal in life: "I would like to see everyone using a blue box. I would like to see my plans for the blue box distributed across the country, published for everyone to see."

Sgt. Toll Free refused to allow his name to be used, saying, "I may be getting paranoid but I think they may be watching the house and tapping the phone."

"They" are investigators for the Chesapeake and Potomac Telephone Co. who disclosed to The Washington Daily News today that they were conducting investigations into phone phreaking in the Washington area.

Sgt. Toll Free, who has an extensive electronics background, said he stumbled across the possibilities of phone phreaking a few summers ago. "when I ran across an ad in an electronics magazine. I sent away and received a catalog offering all kinds of esoteric phone company equipment. I had a feeling I might be able to use some of that equipment at a later date, so I filed the catalog away. The guy who ran the company is now living somewhere in the South Pacific."

Sometime later, while Sgt. Toll Free was making a long distance call which "I was tape recording for business reasons" he heard all these strange noises on the phone. "I played back the tape and then put the tone which I heard on an audio analyzer."

After some research, Sgt. Toll Free had an engineer friend design oscillators for each telephone tone and he himself designed the push button mechanism. A blue box was born.

Sgt. Toll Free said he has used his blue box to make phone calls to Canada and around the country but "I haven't called Europe because I don't know anyone there but I know I could do it.

"And the phone company will never catch me because I'm ahead of them. I know the methods they are now using to catch phone phreaks and I can circumvent these methods."

Taking a sip from a martini, Sgt. Toll Free bragged, "I've made some real nice models, solid state all the way. I could make you a nice one, a real nice one that you could put in your vest pocket. But I've never sold one. I won't let mine out of my den. I would just like to see other people learn how to build them."

As for the future of phone phreaking, Sgt. Toll Free predicted, "There's enough bright kids studying electronics and engineers with a lot of spare time on their hands who can build these things. A hell of a mess of them. Each one of them more and more advanced. The phone company computers are too straight forward to catch these people. Any half-wit electrician could get around those computers."

Phreaking Out the Monopoly

By Ronald Lichty

"Welcome to the Second International Phone Phreak Convention," read the banner in the grand ballroom of New York's Diplomat Hotel Sept. 8.

Into the room streamed a myriad of people--over 300 in all. First, there were the mostly long-haired phone phreaks, who were in the vast majority. Then there were the media people, a score or more of them, the *Village Voice*, NBC, AP, ad nauseum, reporting the latest chic scene. And then there were the phone company employees--the on-duty ones, that is--there to let the phone company know what the technofreaks were planning next.

The large ballroom filled up fast. Around the floor, people played with electronic displays demonstrating the technical aspects of how tones work, how the red box (a device which simulates the sound of coins dropping into a coin phone) works, how the blue box (a device used to place free long-distance calls) works.

On signal, a half-dozen video tape monitors sprang to life and the convention began in earnest. The screens portrayed the technology of using a keypunch--employing it to spindle extra holes in a Bell Telephone billing card--in a sequence titled "The Next Best Thing to Being Rich." Novitiates closely watched the TV screens; the more experienced and more knowledgeable phone phreaks moved into the corners, quiet clusters of technological guerrillas exchanging subversive wisdom.

The TV picture shifted to an outlaw version of "The Shari Lewis and Lamb-chop Show". Complete with canned laughter, the two puppets and the long-haired show host demonstrated what *not* to do to a telephone billing card, mangling it into an unuseable wad. Then, finally, the puppets made a credit card telephone call, carefully explaining each step along the way.

And then, the commercial, modeled after one of those drippy cosmetic ads. "I called a friend using a phony credit card," moaned a sorrowful girl with tear-filled eyes. "The phone company called her and she told them I was the one who called. She didn't know any better. But now they want me to pay over $200 in calls. What can I do?"

Tom Knight photo

"Well, Suc, get your friend to change her story," the calm voice smoothed out some of the wrinkles in Sue's worried face. "Unless she's signed a written statement, they have nothing to prove you made the call."

The picutres on six screens faded to snow and 100 pairs of eyes shifted to the stage. Spelled out on a banner hung above the stage was the phone phreak who founded the Youth International Party Line on Mayday 1971 by handing out brochures at the "Shut Down Washington" demonstrations, introduced himself and then the convention guidelines.

"We have masks on the table near the door. Please take one. Last year, we discovered while looking over photographs after the convention was over that some of the media people taking pictures were Bell security people. The masks are for your protection. Besides, it will give the media something to talk about."

Indeed. It looked like a convention of cat burglars. But the caution was valid--last year's convention drew fewer than 100 people, a few more than half of them suit-and-tie clad telephone company employees.

"Pa Bell is trying to raise the charge for a local call from 10 to 20 cents, citing their increased costs," continued Al in an angrier tone. "That isn't the reason. In 1966, Bell published a direct distance handbook which states, 'The local call will be raised to 20 cents by 1974.' To that, we say, "Two dimes is too much!' "

Video tapes and workshops continued all morning and afternoon, exploring both old and new ways rip off Pa Bell, from the boxes, red, blue and black (a device used to receive long distance calls free), to tape recordings of coins dropping into pay phones to building phone taps.

But the real show as the phreaks themselves and their incredible wealth of technological know-how of defeating Bell and all of its space-age circuitry. "To protect our great country from itself," reads a leaflet, "To rip off the phone company before they rip off me," says a phone phreak. Whatever.

It's happening. And, like the video tape said, "The blue box is only the tones. And *we're going to win.*"

(NYNS)

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. . . Wolfe

(Continued from Page 5)

into a monopoly situation in every town. I've seen it happen every place I've worked. And once that competition goes, the initiative goes, too.

Quite a few alternative newspapers are beginning to spring up all over the place, mainly because the regular daily newspapers are dead on their feet and there's just a big gaping hole for these publications to fill. Most of them start out being hip, which narrows their audience, but they gradually start expanding coverage, and they are going to become a big force in journalism. And it's going to happen because they are willing to use some of these techniques, I think, where the regular newspapers are not.

COHEN: Do you think the daily press could successfully adopt some of these techniques?

WOLFE: It could be done. Jimmy Breslin used to write a column five days a week in the Herald-Tribune in which he went out and covered the day's story and wrote it up using these techniques. It was like getting a non-fiction short story every morning for a dime, when papers used to cost a dime. It can be done. It takes skill and good reporting. I think it would make what happens every day a whole lot clearer.

Susan Goldbaum photo

As it stands now, most reporters write their story in a conventional manner and then they all go to a saloon after work, have a few drinks, and tell each other over a martini, because gin is the cheapest high, what actually happened that day. You hear these marvelous stories that never get into print.

'Why I kept wife's cellar tomb secret'

THEN CONFESSION IS DENIED

BRICKLAYER David Riley, accused of burying his strangled wife in a cellar, was said yesterday to have told a policeman:

"I realised I couldn't give myself up until my children were sufficiently advanced in age and strength.

"I decided to conceal the body until such time as I was in a position to hand it over.

"I decided I would need at least three years to get the children out of the baby stage."

Riley, aged 30, of Hawes Place, Leeds, has denied in Leeds Crown court murdering his wife Thelma on Christmas Eve, 1970.

Detective Chief Superintendent Dennis Hoban told the court of Riley's "confession."

Western Daily Press Reporter

He said Riley told him: "I decided to give myself up as soon as Donna was accepted for school."

Riley said he decided to bury his wife in the cellar and said: "I dug a neat and tidy grave," the superintendent continued.

Mr. David Savill, QC, prosecuting, said Riley had kept his secret for two-and-a-half years.

BLUFFED

On June 22 an anonymous telephone call claiming his wife was buried in the cellar brought two policemen to the house.

Riley bluffed his way out of trouble with: "What here? You must be joking," said Mr. Savill.

But on July 10 he went to his solicitor and said he had accidentally killed his wife.

Mr. Savill said: "Day in and day out since Christmas Eve 1970, Riley had been living in the house with his two children, and with his wife in the cellar buried under some concrete."

It must have been a terrible shock to find someone knew.

WOUNDING

On July 10, Riley, his mother and the woman he had been living with at the house went to the offices of Leeds solicitor Mr. Ronald Teeman, who called the police.

In the cellar, workmen dug through four inches of concrete, under which was hard core and soil.

Mrs. Riley's body was found wrapped in a blanket — with a pair of tights tied tightly round her neck.

Mr. Savill said that the tights went round the neck four times. However Mrs. Riley met her death, it was not an accident.

The couple married in 1966. Mrs. Riley left after three years, but in the last 12 months she was coming and going from the house.

In August 1970 they had a row and she cut him with a pair of scissors.

She was charged with wounding her husband with intent to do serious harm and was committed for trial at Leeds Assizes on bail.

"While awaiting trial she disappeared," said Mr. Savill.

'MY RAGE'

Chief Supt. Hoban said Riley told him during an interview that on Christmas Eve 1970 his wife followed him home and in the house lunged at him with a pair of scissors.

"This incident and untold years of frustration and embarrassment throughout our married life made me go out of my mind . . .

I went black with rage, totally beside myself. The actions that occurred after that I cannot recall. I was completely out of my mind."

He said he took his wife upstairs and put her in bed before deciding to bury her.

Riley had denied making the anonymous phone call on June 22, Supt. Hoban added.

The trial goes on today.

Nice one, Cyril

CYRIL Fletcher kept an appointment to help conserve Cheltenham yesterday.

Accompanied by his actress wife, Betty Astell, he planted a Chinese Ailanthus tree in Pittville Park, as part of the town's campaign to replace 2,000 trees lost through Dutch elm disease.

His choice of tree is appropriate.

It ties in with the Oriental flavour of the pantomime the couple will present at the Everyman Theatre next month: Aladdin.

Well done, a judge tells 8 freed of phreaking

EIGHT men accused in the Old Bailey phone phreaks trial were cleared yesterday — and then congratulated by Judge Neil McKinnon.

"I never did think you were dishonest, and never said so," said the judge.

But then he told the eight, who included a computer programmer, a teacher and a telephone engineer: "You really must exercise some care and judgment.

"Men of your distinction really ought never to find yourselves in the dock at the Central Criminal Court."

They had been said by the prosecution to have taken part in a plot to make telephone calls all over the world at local rates by the use of bleep machines and simulators.

A jury found them not guilty of conspiring to use the public telephone system with intent to avoid payment and of conspiring to dishonestly use electricity without authority.

EVIDENCE

The men were: **Brian Barker**, 26, school teacher, of West Kensington; **Roger Harris**, 26, development engineer, of Orpington, Kent; **Anthony Kidson**, 25, assistant executive telephone engineer, Lewisham, London; **Andrew Marland**, 25, technical adviser, of Hampstead.

Duncan Campbell, 21, student, of Brasenose College, Oxford; **Donald Ward**, 24, design engineer, of Upper Woolhampton, Reading; **Jan Erickson**, 21, unemployed, of Shepherd's Bush, London, and **Mabel Bevan**, 27, computer programmer, of Hounslow, Middlesex.

INTERESTED

All except Erickson, who did not go into the witness box, gave evidence that they had been interested in telephone systems for a number of years, but had never intended or taken part in any fraudulent activities.

Kidson was also acquitted of stealing a Post Office power unit and two telephones and of dishonestly handling them.

On the judge's direction, Barker was also cleared of dishonestly handling Post Office equipment.

Ward and Bevan were each ordered to pay £15 defence costs and the others were ordered to pay £20 each.

Earlier in the trial ten men who changed their pleas to guilty were fined a total of £772.

Alas and alack, give that poet the sack!

A LABOUR MP has called for the dismissal of the Poet Laureate, Sir John Betjeman, because of his "disastrous" poem about Princess Anne's wedding.

Mr. Tom Pendry, MP for Stalybridge and Hyde, said he was writing to Mr. Heath, asking him to reconsider his choice.

"If the Prime Minister is considering re-shuffling his team, perhaps this could be high on his list," said Mr. Pendry.

The poem was "turgid, unromantic, and stamped with mediocrity," he said.

"These are the words of an idle scribbler.

"If this is the best he can do, he should apply for the Chiltern Hundreds and retire gracefully, even though he has been in the job for a short time only.

'No classic'

"I am not anxious to be a candidate for his job, but I think I could do better myself."

Another MP, Mr. Norman Tebbit, Conservative Epping, said: "I don't think it will rank among the classics of poetry."

This was Sir John's poem:

Hundreds of birds in the air
And millions of leaves on the pavement,
Then the bells pealing on
Over Palace and people outside,
All for the words "I will"
To love's most holy enslavement,
What can we do but rejoice
With a triumphing bridegroom and bride?

Sailor fined on drink charge

Petty Officer Thomas Bell was demoted by the Navy and had his pay cut by £120 a year after his arrest by police, he told Weymouth magistrates yesterday.

Bell, aged 27, of Grangecroft Road, Portland, was fined £75 and banned for a year after he admitted failing to give breath and blood samples and driving while unfit through drink.

Car wreckers

Vandals have smashed windscreens on three cars parked under the M5 viaduct in Huntworth, near Bridgwater.

World's Weather

ATHENS	Cloudy	66
ROME	Sunny	61
PARIS	Cloudy	54
LONDON	Cloudy	52
BERLIN	Cloudy	45
AMSTERDAM	Cloudy	39
BRUSSELS	Overcast	50
MADRID	Clear	63
STOCKHOLM	Cloudy	45
COPENHAGEN	Cloudy	45
LOS ANGELES	Rain	59
CHICAGO	Cloudy	59
MIAMI	Cloudy	79
TOKYO	Clear	63
HONGKONG	Sunny	72
BUENOS AIRES	Cloudy	73
HONOLULU	Rain	81
TORONTO	Cloudy	48
RIO DE JANEIRO	Cloudy	82
LISBON	Sunny	68
TEHERAN	Cloudy	63

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For ever. Well, for five years

THE NAVY stores at Copenacre are advertising for staff for permanent positions, despite the fact that the stores are due to be transferred to Hartlebury, Worcestershire, in 1978.

The Ministry of Defence insisted yesterday that there was nothing unusual about the advertisement.

The advertisements, placed by the Navy Department for machine operators and trainees, offer an interesting and worthwhile career.

All move

A Defence Ministry spokesman said: "The move won't happen for a few years, and meanwhile we have to keep the staff up to strength.

"Those who take jobs there will be informed of the situation. When the move comes they will be offered jobs at Hartlebury.

"There are vast numbers of Royal Navy employees who move around from place to place. It is normal practice, part of their contract."

Shoplifter and wife

Charles Challenger and his wife, Lynette, both aged 22, made regular shoplifting expeditions into Gloucester for three months, city magistrates were told yesterday.

The couple, of Matson Avenue, Gloucester, admitted four joint charges of stealing from shops and wanted 17 other offences considered. The case was adjourned for two weeks for reports.

Unbuilt school is too small

A SCHOOL being built in Weymouth is already too small. And it won't be completed until next summer.

St. John's has been designed as first-tier comprehensive school for pupils up to the age of nine.

But until comprehensive education is introduced in the area — probably not until the late seventies — it has to take pupils from five to 11.

The county council now wants to use four mobile classrooms and a mobile toilet.

Weymouth Planning committee is unhappy with the application and deferred it yesterday for more information.

At the same time plans to demolish the old St. John's School, just off the seafront, to make way for apartment blocks and shops were deferred for the views of advisory architects.

Business gambler robbed the till

FORMER shop manager David Nathan aged 29, stole nearly £400 from his employers because he was being pressed to pay the debts of an unsuccessful business venture.

He hoped to win enough by gambling to pay off his debts.

But his gamble failed. Eventually he confessed to the police, Yeovil magistrates were told yesterday.

Nathan, married with two children, of Combe Close, Yeovil, admitted five theft charges, one of falsifying a Giro credit form, and asked for 12 other offences to be considered. The total amount involved was £385.06.

Into debt

Police Inspector James Bowler said Nathan took the money while managing J.J. Farquarson's sewing machine centre at the Triangle, Yeovil.

He pocketed some of the money he was supposed to have banked.

Mr. Neville Sanders, defending, said that after leaving the Army Nathan became a cash register salesman and did extremely well until decimalisation was introduced.

The firm ceased trading, and Nathan went into business on his own, servicing the machines.

But he was undercapitalised, and got more and more into debt.

Finally, his health gave way and the business was closed with debts of about £2,500. Creditors pressed for payment. He was "in a complete turmoil" when the offences were committed.

Nathan, unemployed, and living on Social Security and a disability pension, was put on probation for two years, and ordered to repay £385.06 to his former employers.

It's not like me, says Mr Bangs

DUNCAN Bangs, aged 18, who is accused of assaulting two policemen and a special constable, said yesterday he was surprised at the way his behaviour had been described by witnesses.

The jury at Gloucester Crown court have been told that Bangs was "like an animal", and behaved aggressively.

But Bangs, of Lowther House, Shurdington, Cheltenham, said if he did behave in that way, it was extremely out of character.

Giving evidence on the second day of his trial, he said his recollection of large parts of the evening in question was blank.

The prosecution alleged that Bangs was involved in a disturbance at a dance at Bishops Cleeve, Cheltenham.

In hospital he tried to attack a police constable with a screw driver, and he pushed a special constable into a trolley carrying patients, causing the officer chest injuries, it was said.

It is also said that he pushed a detective constable into the windscreen of a police car, causing facial injuries, and that he damaged the car seat.

Total blank

He denies three charges of assault and one of causing criminal damage.

Bangs told the jury that at the party he was twice knocked unconscious by other people and his memory was blurred.

His mind was a total blank until the time when he was handcuffed by the police in Cheltenham General Hospital.

He remembered leaving the hospital and being shoved from behind, he said. Then, as he turned round, he was pushed to the floor and handcuffed and kicked.

The case goes on today.

Two on car charges

David Staveley and Colin Joyce, both aged 20, were sent for trial at Taunton crown court by Yeovil magistrates yesterday, on charges arising out of a car sale.

Joyce, of Folkestone, Kent, was charged with selling a car without authority and obtaining a car and cheque value together at £500 from Mr. Barry Baker, of North Street, Bradford Abbas.

He was remanded in custody.

Staveley was granted £50 bail on a charge of cashing a £345 cheque dishonestly obtained from Mr. Baker.

Noisy, 'but we can't stop it'

WEYMOUTH councillors are powerless to stop a motor racing event in the town on Sunday.

It is due to be held on land in the picture postcard suburb of Nottington.

"Just think of the noise. Is there nothing we can do to stop it?" asked **Alderman Mrs. Iseult Legh** at yesterday's Planning committee.

The council recently acquired powers from the Government to control the use of the land in question by circuses and fairs.

But solicitor **Mr. Christopher Rolfe** said that power did not cover any other uses on the land.

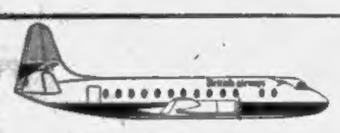
He was asked to investigate a comprehensive order for the area.

A **MOTEL** in the Dorchester road was approved by the committee.

A toll house will be demolished to make way for it.

Restaurant facilities provided within the motel complex, will not be open to the public.

The businesslike way to get out of Bristol



Belfast
8 flights every week
Depart Mo We Fr 1640
Mo to Fr 1710

Dublin
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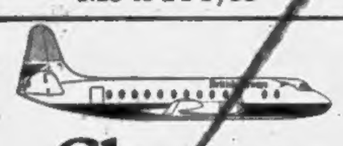
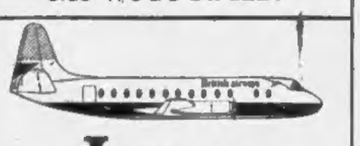
Depart Tu Th Sa 0915
Mo We Fr Su 1220



Glasgow
5 flights every week
Depart Mo to Fr 1710



Jersey
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Liverpool
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Depart Mo to Fr 1710

Paris
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Depart Mo We Fr 0920

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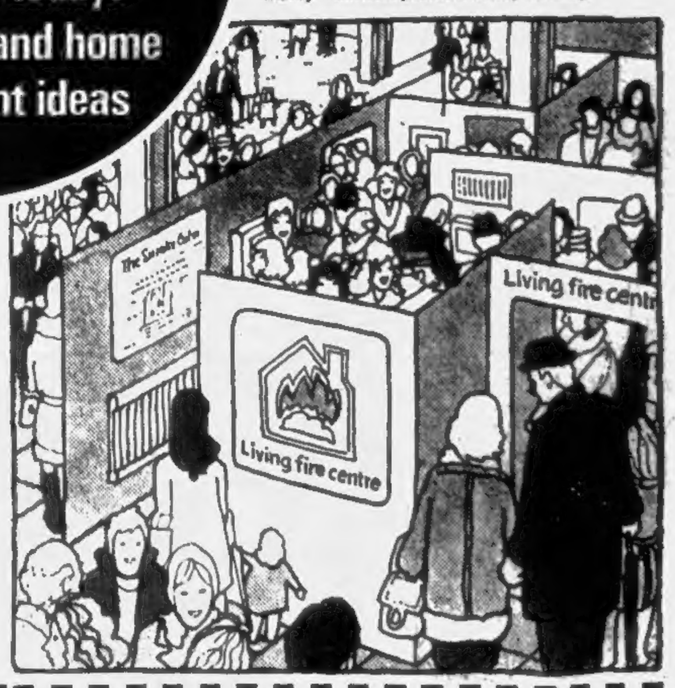

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The Solid Fuel Advisory Service

Come home to a real fire

Pearl Buck is 80 on Monday

PHILADELPHIA (AP) — Pearl S .Buck, Nobel laureate, begins her 80th year Monday with optimism about her future as both a writer and foundation guiding force.

The author, who heads several organizations concerned with the welfare of children of mixed Asian-American parent-age, refuses to lay aside the pad on which she writes her manuscripts.

PEARL S. BUCK

Determined to continue a career which spawned 84 books, she comments in a voice which belies her age: "I'm always full of plans."

One recently completed project is a collection of stories entitled "Once Upon a Christmas." Shortly, another book culled from her Chinese background will appear in print, but she declined to elaborate, saying an announcement is forthcoming.

Among her accomplishments are a Pulitzer Prize in 1931 and a Nobel Prize for Literature in 1938,bot h for her masterpiece, "The Good Earth," a story detaling the rise to power of a Chinese peasant. She is the only woman ever to win the Nobel literature award.

Miss Buck spent her first 17 years in China with her missionary parents. She then came to this country but returned to China as a Presbyterian missionary in 1914 and remained there until 1935.

Besides her writings, she takes immmense pride and joy in two of her major vocations, the Pearl S. Buck Foundation and Welcome House.

The foundation will begin in August a new division which will arrange international adoptions for "Amerasians"—children born to American soldiers and foreign women.

"We now have offices in six countries and we're proceeding further with in-country adoptions," she explained.

Royalties from her books support the foundation, which she organized in 1964 and which operates in Korea, the Philippines, Taiwan, Thailand, Okinawa and Vietnam.

Founded in 1949, Welcome House facilitates the placing of children with mixed racial backgrounds in adoptive homes. "It's going very well," Miss Buck remarked.

The elaborate birthday celebrations held in her honor were amenities she hadn't planned.

She attended a private dinner Saturday and the foundation will hold a large gala Sunday night at her home, Green Hills Farm, where between 600 and 700 people are expected.

Phone call leads to hectic events

By CHARLES ROBINSON
Associated Press Writer

PERU, Ind. (AP) — Tom Harrison called the police this morning. His wife and all his neighbors may never get over what happened next.

Within five minutes, an assortment of Indiana State Police, sheriff's officers, city police and maybe an FBI man or two roared into normally quiet Rosewood Drive and jumped from their cars with pistols and shotguns drawn.

They were followed closely by reporters, radio and television newsmen from Indianapolis, Kokomo, Peru and as far away as Lima, Ohio all with cameras and tape recorders drawn.

Neighbors screamed at children to get inside and then eyes peered from the living room windows at No. 1037, the home of Tom and Jeanne Harrison.

The law enforcement officers swarmed to the area after Harrison, calling from the service station he operates, told police someone might be hiding in the garage at home.

With an airline hijacker missing somewhere in the Peru area, the call got substantially more than the usual response.

"Whhoeee, I've had all the neighbors calling," Mrs. Harrison told a newsman. "It started when my husband got up at 5 a.m. and let our Scottish terrier, Scotty, outside.

"The dog's hair bristled and he was growling in the garage," she said.

But Harrison found nothing and left for work.

News about people, places & things

The TAMPA, FLA., Police Department says the majority of young men who apply for jobs have smoked marijuana but are not barred from getting employment unless it is a habit. Capt. Joe Diaz, acting head of the Personnel and Training Division, said Saturday: "Almost every serviceman coming back from Vietnam has smoked it (marijuana). "Probably 50 to 60 per cent of the men coming here last year have smoked pot . . . just because a guy has smoked marijuana once doesn't mean he should be washed out," Diaz said.

Charles Yost, former U.S. ambassador to the United Nations, arrived in TEL AVIV Saturday for a six-day visit as guest of the resort town of Natanya. Yost, a political science professor at Columbia University, spent last week in Egypt where he met President Anwar Sadat. It was not known if Yost would hold political meetings in Israel.

Japan and the Soviet Union, the world's two major deep sea whaling nations, plan a head-on showdown with the United States in whaling talks opening in LONDON Monday. With strong backing from PRESIDENT NIXON, the United States was one of the chief movers of the Stockholm environment conferences resolution calling on a 10-year suspension of whale hunting. Russel Train, head of the American delegation to the U.N. conference and chairman of the U.S. Council on Environmental Quality, will be in London for the talks as the president's personal observer. Japan, which did not vote for the resolution, and the Soviet Union, which boycotted the Stockholm parley, are determined to fight any international effort aimed at stopping whaling.

The government in BUENOS AIRES announced that an expanded ban on domestic beef sales will begin Monday, along with price ceilings on the cheaper cuts. Beef is a staple of the Argentine diet, but the government has been trying to reverse a negative trade balance by providing more beef for export. For the past 15 months, a ban on domestic beef sales has been invoked every other week. Now Argentines will be unrestricted only one week out of three.

Plutarco Guzman of Monterrey, Mexico, Saturday was elected president of Sertoma International as the group neared the end of a four-day convention in DALLAS, TEX. Other officers elected were Jerry Joiner of Alamogordo, N.M., president elect; C. Anthony Ricca of Durham, N.C., and Thomas R. Bruckman of Largo, Fla., vice presidents; Lee M. Machemer of Allentown, Pa., treasurer; and Dr. Fred G. McFail of St. Petersburg, Fla., chairman of the board of directors. The convention, which began Wednesday ended Saturday night. More than 1,000 delegates attended.

The anti-Marxist opposition claimed Saturday that CHILE'S leftist government now controls a major portion of the national economy. It said some wealthy Chileans are helping out by bowing to government pressures to sell their shares in private industry. "We are now a Socialist state," the conservative and independent newspaper El Mercurio said in attacking the policies of Marxist President Salvador Allende. In his program to "open the doors to socialism" in Chile, Allende earmarked 91 industries for state takeover several months ago.

Cuban Premier FIDEL CASTRO shot two chamois Saturday on a hunting expedition in the mountains of PRAGUE the Czechoslovak news agency CTK reported. Castro even made the rare gesture of doffing his traditional green fatigues in favor of a Czechoslovak forester's uniform, the agency reported. It said his accurate shots at the fleet-footed beasts on a misty day revealed an experienced marksman. Czechoslovak Communist party chief Gustav Husak and Premier Lubomir Strougal joined Castro at his mountain retreat CTK added. It did not say whether they also joined him on the hunt.

FIVE American scientists left WASHINGTON for MOSCOW Saturday to exchange information on drug treatments for cancer with leading Soviet scientists, the National Cancer Institute said. The team of government and non-government researchers is headed by Dr. C. Gordon Zubrod, scientific director for chemotherapy at NCI. The exchange is part of a U.S.-U.S.S.R. health agreement to share results from cancer, heart disease and environmental studies, as announced by the Nixon administration and the Soviet minister of health in February.

The senior narcotics adviser in HONG KONG to the U.S. secretary of state said Saturday SOUTHEAST ASIA may become the main souce of heroin for traffickers supplying the United States when Turkish supplies of opium dry up soon.

Phone 'phreaks' like to keep in touch

OKLAHOMA CITY (AP) — Telephone "phreaks," as they call themselves, like to keep tabs on each other—especially when one is arrested for wire fraud.

That's why The Associated Press offices here has received several calls from a young man who wanted to find out about a fellow "phreak" named Rudolph R. Loew, a 19-year-old University of Oklahoma electrical engineering student.

Loew was indicted recently by a federal grand jury in Oklahoma City and arrested by the FBI on charges of making calls in a manner to avoid telephone billing devices.

Loew has pleaded guilty to four counts of fraud by wire and a U.S. district court judge has called for a report by probation officers before passing sentence.

The anonymous caller says he was talking with Loew when their conversation was interrupted by FBI agents arresting Loew.

The caller, who first said he was phoning from Memphis, Tenn., said he was a "phone phreak" and talked at length about the use of so-called "blue boxes"—electronic devices which permit toll free long distance calls.

In fact, the caller said he was using a "blue box" to make his long distance call to The AP.

Like Loew, the unidentified caller said he was a college student majoring in electrical engineering. He had become interested in "phone phreaking" after he read an article about it in Esquire magazine.

He said he had been making free calls for about six months on a device he built for $60 because it is "a lot of fun."

"I just do it because it is interesting," he said. "Occasionally when I find something goofed up, I call up and make repair calls."

To prove he was using a "blue box" to make the call to The AP, the caller volunteered to give an example of what he could do. He put on what appeared to be an overseas display to verify his authenticity.

In a phone conversation with The AP, he offered to make a call through a switchboard in England and have the operator there check to see if The AP phone was in operation.

Because of what he attributed to a change in the European numbering for overseas calls, the "phone phreak" apparently routed the call through a switchboard in Paris.

When he attempted to call the overseas operator onto the circuit, he was cut off by what sounded like a New York operator. She identified herself as the New York overseas operator and apologized to The AP for having interrupted the Paris call.

If it was a hoax the young man went to a lot of trouble and expense to route the call through a European switchboard.

Asked if he thought "phone phreaking" was worth the risk involved, the caller said, "I try not to take a heck of a lot of risk. The guy in Oklahoma City took a good deal of risk. He did some things that would point the finger at him."

But, all things considered the young man said, "It is worth the risk and is pretty interesting. As far as the monetary thing goes—I still place the same number of Bell calls as I did before."

He estimates there are about 5,000 people in the United States who have "blue boxes." But of this 5,000 he said only about 30 "know the first thing about routing codes."

He included himself in the 30.

Using his $60 "blue box," the young man said all he had to do was go to a pay telephone and "whistle up" the desired long distance number.

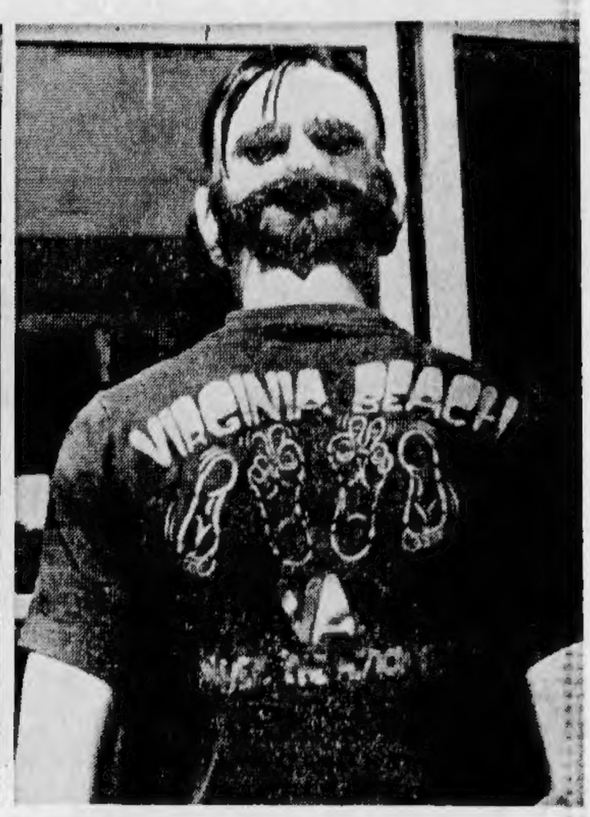
He described the device as being "in volume about 2½ times the size of a pack of the 100-sized cigarettes."

The caller spoke of various frequencies used in long distance dialing and of how calls can be made. The information he uses to make the more difficult calls, he says, is not idfficult to get.

"Overseas calls are pretty easy to make. All you have to do is call up a sender," he said. "A sender," he explained, "is a thing within the country that is designed to accept multifrequency signals for overseas calls."

The telephone company shouldn't prosecute the "phone phreaks," he said, "the phone company should hire them.

"With their help, it wouldn't take a heck of a lot of time to clean up the whole system and the entire network would no longer be vulnerable to fraud.



—AP Wirephoto

ATTENTION GETTER — Baker, Calif. — A possible claimant to the world's most unusual haircut is Walter Cline of Baker, Calif., who looks like a short-haired youth until he turns around. Asked why he had the back of his head trimmed to resemble a man's face he said: "If you live in the desert you have to do something to get attention."

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